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LEBANON VALLEY COLLEGE

bulletin

Lebanon Valley College Bulletin. Published quarterly by Lebanon Valley College, Laughlin Hall, Annville, Pennsylvania 17003

Volume V, Number 4,
Winter, 1971

The College reserves the right to change any provisions or requirements at any time within the student's term of residence.

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at Annville, Pennsylvania 17003

CALENDAR 1971

JANUARY							FEBRUARY							MARCH							APRIL							
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CALENDAR 1972

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COLLEGE CALENDAR 1971/1972

First Semester

1971

Sept.	8-10	Wednesday through Friday	Faculty retreat
	11	Saturday	Board of Trustees retreat
	13-15	Monday through Wednesday	Orientation for new students
	14, 15	Tuesday, Wednesday	Registration
	16	Thursday, 8:00 a.m.	Classes begin
	16	Thursday, 11:00 a.m.	Opening College Convocation
Oct.	5	Tuesday, 11:00 a.m.	Religion and Life Lecture
	16	Saturday	Homecoming Day
	26, 27	Tuesday, Wednesday	Balmer Showers Lectureship
Nov.	6	Saturday	Board of Trustees meeting
	10	Wednesday	Mid-semester grades due
	24	Wednesday, 1:00 p.m.	Thanksgiving vacation begins
	29	Monday, 8:00 a.m.	Classes resume
Dec.	1-8	Wednesday through Wednesday ...	Pre-registration for second semester
	17	Friday, 5:00 p.m.	Christmas vacation begins

1972

Jan.	3	Monday, 8:00 a.m.	Classes resume
	14	Friday, 5:00 p.m.	First semester classes end
	15-18	Saturday through Tuesday	Reading period
	19-25	Wednesday through Tuesday	First semester examinations
	25	Tuesday, 5:00 p.m.	First semester ends

Second Semester

Feb.	31	Monday	Registration
	1	Tuesday, 8:00 a.m.	Classes begin
	22	Tuesday, 11:00 a.m.	Founders' Day
Mar.	3-12	Friday through Sunday	Concert Choir tour
	13-16	Monday through Thursday	Religious Emphasis Week
	24	Friday, 5:00 p.m.	Easter vacation begins
Apr.	4	Tuesday, 8:00 a.m.	Classes resume
	4	Tuesday, 11:00 a.m.	Phi Alpha Epsilon Day
	16	Sunday, 3:00 p.m.	Spring Music Festival, Symphonic Band
	18	Tuesday, 11:00 a.m.	Religion and Life Lecture
	19-26	Wednesday through Wednesday ...	Pre-registration for first semester, 1972-1973, and 1972 summer session
	30	Sunday, 3:00 p.m.	Spring Music Festival, College Chorus and Symphony Orchestra
May	12-14	Friday through Sunday	Second Annual Spring Arts Festival
	16	Tuesday, 11:00 a.m.	Awards and Recognition Day
	19	Friday, 5:00 p.m.	Second semester classes end
	20-23	Saturday through Tuesday	Reading period
	24-30	Wednesday through Tuesday	Second semester examinations
	30	Tuesday, 5:00 p.m.	Second semester ends
June	2	Friday	Board of Trustees meeting
	3	Saturday	Orientation for incoming students
	4	Sunday, 9:00 a.m.	Baccalaureate service
	4	Sunday, 11:00 a.m.	103rd Annual Commencement

1972 summer session: June 12-August 4

CALENDAR 1972

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CALENDAR 1973

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1972

COLLEGE CALENDAR 1972/1973

First Semester

Aug. 31-		
Sept. 1	Thursday, Friday	Faculty retreat
3	Sunday, 2:00 p.m.	Residence halls open for new students
4-6	Monday through Wednesday	Orientation for new students
5	Tuesday	Registration by new students
6	Wednesday	Registration by upperclassmen
7	Thursday, 8:00 a.m.	Classes begin
7	Thursday, 10:00 a.m.	Opening College Convocation
9	Saturday	Board of Trustees retreat
27	Wednesday, 10:00 a.m.	Religion and Life Lecture
Oct. 24-25	Tuesday, Wednesday	Balmer Showers Lectureship
25	Wednesday	Mid-semester grades due
28	Saturday	Homecoming
Nov. 11	Saturday	Board of Trustees meeting
15-22	Wednesday through Wednesday	Pre-registration for second semester
22	Wednesday, 1:00 p.m.	Thanksgiving vacation begins
27	Monday, 8:00 a.m.	Classes resume
Dec. 12	Tuesday, 5:00 p.m.	First semester classes end
13-14	Wednesday, Thursday	Reading period
15-21	Friday through Thursday	First semester examinations
21	Thursday, 5:00 p.m.	First semester ends

1973

Second Semester

Jan.	14	Sunday, 2:00 p.m.	Residence halls open
	15	Monday	Registration
	16	Tuesday, 8:00 a.m.	Classes begin
Feb.	21	Wednesday, 10:00 a.m.	Founders' Day
Mar.	2	Friday, 5:00 p.m.	Spring vacation begins
	2-11	Friday through Sunday	Concert Choir tour
	12	Monday, 8:00 a.m.	Classes resume
	20-22	Tuesday through Thursday	Religious Emphasis Week
Apr.	4	Wednesday	Phi Alpha Epsilon Day
	4-11	Wednesday through Wednesday ...	Pre-registration for first semester, 1973-1974, and 1973 summer session
	8	Sunday, 3:00 p.m.	Spring Music Festival, Symphonic Band and Wind Ensemble
	18	Wednesday, 10:00 a.m.	Religion and Life Lecture
	19	Thursday, 5:00 p.m.	Easter vacation begins
	24	Tuesday, 8:00 a.m.	Classes resume
	27-29	Friday through Sunday	Third Annual Spring Arts Festival
	29	Sunday, 3:00 p.m.	Spring Music Festival, College Chorus and Symphony Orchestra
May	2	Wednesday, 10:00 a.m.	Awards and Recognition Day
	2	Wednesday, 5:00 p.m.	Second semester classes end
	3-6	Thursday through Sunday	Reading period
	7-12	Monday through Saturday	Second semester examinations
	12	Saturday, 5:00 p.m.	Second semester ends
	18	Friday	Board of Trustees meeting
	19	Saturday	Orientation for incoming students
	20	Sunday, 9:00 a.m.	Baccalaureate service
	20	Sunday, 11:00 a.m.	104th Annual Commencement

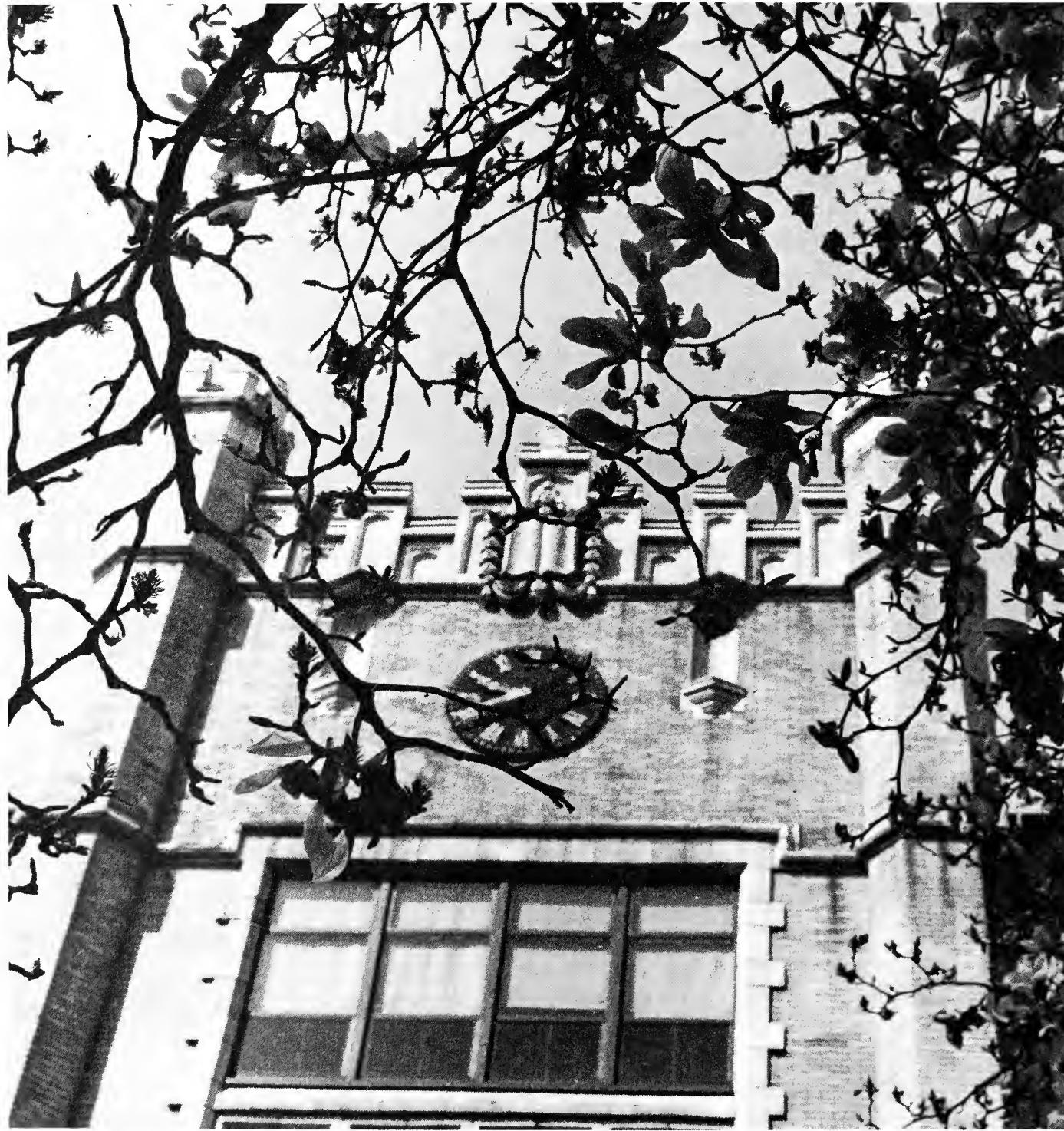
1973 summer session: June 11-August 3



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College Profile



COLLEGE HISTORY

Officials of the East Pennsylvania Conference of the Church of the United Brethren in Christ were acutely embarrassed in the spring of 1866. Five public-spirited citizens of the town of Annville had come to Conference on February 22 and offered as a gift the Annville Academy building on Main Street, which they had bought for \$4,500, providing that the Conference would establish and maintain there forever an institution of learning of high grade. The gift was accepted. The name Lebanon Valley College was chosen. It was decided to lease the property to someone qualified to operate a school. The opening date was set — May 7. Planning then came to a stop, for they could find no one to take the lease.

That was the situation seven weeks before the opening date, according to George Washington Miles Rigor, whose short account is the earliest extant history of Lebanon Valley College. There was no college graduate in the whole Conference, and a poll of Otterbein College graduates failed to turn up a prospect. Rigor, a United Brethren minister who had attended college for only three years, stepped into the breach. He enlisted the cooperation of a neighbor, Thomas R. Vickroy, a Methodist minister and graduate of Dickinson College. They took over the lease as partners for the next five years, Vickroy to run the school and Rigor to act as Agent. The building was readied and Lebanon Valley College opened on May 7, as scheduled, with 49 students enrolled. From its first day it was coeducational.

President Vickroy's term was marked by action. Eleven acres were added to the "lot and a half of ground" conveyed by the original deed. A spacious four-story building was erected. A charter was granted by the Com-

monwealth of Pennsylvania. A faculty was hired. A complete college curriculum, based on the classics but including music and art, was established, and two classes were graduated before Vickroy gave up his lease in 1871. The College was not leased again but continued operations through a Board of Trustees.

The five presidents during the next 25 years had great difficulty in keeping the College financially afloat, due to lack of support ranging from apathy to open opposition. There was some progress. A library was established in 1874, and a college newspaper appeared in 1888. However, in the fall of 1896, the school was debt-ridden, living from hand to mouth, with an enrollment of only 80.

The administration of President Hervin U. Roop, starting in 1897, marked the first real period of expansion. Under his leadership, five new buildings were erected, including a library donated by Andrew Carnegie, and the Administration Building was re-built after a disastrous fire on Christmas Eve, 1904. By 1905, enrollment had soared to 470, with a faculty of 23.

Loss of public confidence and financial support prompted Roop's resignation in 1905 and the College faced its darkest days. Bankruptcy was averted by the keen business sense and personal generosity of President Lawrence Keister, who served from 1907 to 1912.

President George D. Gossard finally gave the College stability when he achieved for it accreditation and a million dollar endowment fund, the income from which was to form the financial cushion dreamed of by all the presidents before him. By the end of his 20-year term in 1932, there were 653 students and 32 faculty members. Most important, the Conservatory of Music was accredited by the Commonwealth for its program in public school

music, marking the start of an outstanding academic department.

Following Dr. Gossard's death in 1932, Dr. Clyde A. Lynch faced a series of external crises which lasted throughout his 18 years as president. The stock market crash shrank the handsome endowment raised by his predecessor. The Depression of the 1930's reduced the enrollment and World War II lowered it still further; the post-war influx of veterans then stretched it to more than capacity. In spite of these trials, Dr. Lynch's administration began buying property adjacent to the campus to allow for future expansion. It also raised over a half million dollars, part of which was to be used for a new physical education building. This building, still unfinished at the time of Lynch's death in 1950, was named in his honor upon completion.

The twelfth president of the College, Frederick K. Miller, served for almost 17 years. During his term, inflation caused mushrooming costs, but the so-called "tidal wave of students" made possible selective admissions. The greatest physical expansion in the history of the College occurred, with seven new buildings erected and several renovated. Two major fund-raising drives were concluded successfully. Enrollment increased by 60%, with a corresponding increase in faculty and administrative staff. The Centennial of the founding of the College was observed by a year-long series of events.

On April 1, 1967, Dr. Miller retired, and Allan W. Mund, President of the Board of Trustees, became Acting President. It was not until February 3, 1968, that Frederick P. Sample was selected by the board to become thirteenth president of Lebanon Valley College. When Dr. Sample assumed office on September 1, 1968, Lebanon Valley College faced its second century as a fully-accredited, church-related, coeducational college of the liberal arts and sciences, occupying a 35-acre campus of 26 buildings, and supporting an enrollment of 900 and a full-time faculty of 58. In the years since then, the College has continued to grow in acres and buildings, in students and faculty. This growth is reaching its culmination in the 1970's with the multi-mil-

lion dollar ambitions of the Fund for Fulfillment.

Just as the College has changed through the years, so has the Church of the United Brethren in Christ which gave it birth and offered its support. Organized in 1800 as the first Christian church indigenous to the United States, the denomination merged with the Evangelical Church to become the Evangelical United Brethren Church in 1946. In April, 1968, this body joined with the Methodist Church to form the United Methodist Church.

In looking to its second century, Lebanon Valley College is conscious of the dream of its forefathers that it be "an institution of learning of high grade." It aims to be essentially what it is now, a relatively small college of the liberal arts and sciences that takes its Christian origins seriously.

Presidents of Lebanon Valley College

Rev. Thomas Rees Vickroy, Ph.D.
1866-1871

Lucian H. Hammond, A.M.
1871-1876

Rev. D. D. DeLong, A.M.
1876-1887

Rev. E. S. Lorenz, A.M., B.D.
1887-1889

Rev. Cyrus J. Kephart, A.M.
1889-1890

E. Benjamin Bierman, A.M., Ph.D.
1890-1897

Rev. Hervin U. Roop, A.M., Ph.D., LL.D.
1897-1906

Rev. Abram Paul Funkhouser, B.S.
1906-1907

Rev. Lawrence Keister, S.T.B., D.D.
1907-1912

Rev. George Daniel Gossard, B.D., D.D., LL.D.
1912-1932

Rev. Clyde Alvin Lynch, A.M., B.D., D.D.,
Ph.D., LL.D.
1932-1950

Frederic K. Miller, M.A., Ph.D., Litt.D., D.H.L.,
D.Pd., LL.D.
Acting President 1950-1951
President 1951-1967

Allan W. Mund, LL.D.
Acting President 1967-1968

Frederick P. Sample, B.A., M.Ed., D.Ed., Pd.D.
1968-

ACCREDITATION

Lebanon Valley College is accredited by the following bodies:

Middle States Association of Colleges and Secondary Schools
Department of Education of Pennsylvania
National Association of Schools of Music
American Chemical Society

Lebanon Valley College is a member of the following bodies:

American Council on Education
Association of American Colleges
College Entrance Examination Board
College Scholarship Service
Council of Protestant Colleges and Universities
Pennsylvania Foundation for Independent Colleges
American Association of Colleges for Teacher Education
Pennsylvania Association of Colleges and Universities
Eastern Collegiate Athletic Conference

Lebanon Valley College is on the approved lists of the Regents of the University of the State of New York and the American Association of University Women.

PRINCIPLES AND OBJECTIVES

The aim of Lebanon Valley College is to give its students the opportunity to procure a liberal education of the highest quality. That is, it seeks, first of all, to acquaint them with the basic facts and principles of the cultural heritage of mankind, including its spiritual, scientific, literary, artistic, and social elements. Second, it seeks to develop in its students the capacity to use their full intellectual resources in dealing with, formulating and communicat-

ing ideas, and making reasoned judgments. Third, it seeks to cultivate those qualities of personality and character, of moral and social responsibility and concern, that characterize personal maturity and constitute the basis of a free society.

The aims of Lebanon Valley College to provide a liberal education are set within the context of commitment to the Christian faith and Christian values, and are ordered by the conviction that sincere faith and significant learning are inseparable, that all truth has its origin and end in God, and that, therefore, learner and teacher alike not only can be, but *must* be free to subject all claims to truth and value, both religious and secular, to the tests of honest and humble inquiry, analysis, reflection, and redefinition. And implicit in this conviction is the correlate that keeping the doors open for exploration and application of Christian truth and value does not bar the way to the exploration of the truth and value to be found in other religious and philosophical traditions of mankind. Finally, in the Christian understanding of man as a creature of God is found the basis of the College's concern for all its members as persons, as God-related as well as man-related and world-related beings. Thus through commitment to the ideal of Christian higher education does the College seek to serve the Church and the Christian community which nourishes and sustains it.

In its policy of providing programs of a professional and pre-professional nature, Lebanon Valley College does not seek simply to help educate persons who will make their own useful contribution to the work of the world and to the service of mankind in certain professions and vocation. The College insists that for its students engaged in such preparation the purposes of a Christian liberal education apply completely and must be neither ignored nor deprecated for the sake of technical or utilitarian ends or in the name of pragmatic or material values. A liberally educated professional is a more complete person, when through his practice his knowledge and interests are applied and made relevant to the world.

It is in relation to these general principles that the following more specific educational objectives of Lebanon Valley College are to be understood:

1. To provide an opportunity for qualified young people to procure a liberal education and to develop their total personalities under Christian influences.
2. To help provide the church with capable and enlightened leaders, both clerical and lay.
3. To foster Christian ideals and to encourage faithfulness to the Church of the student's choice.

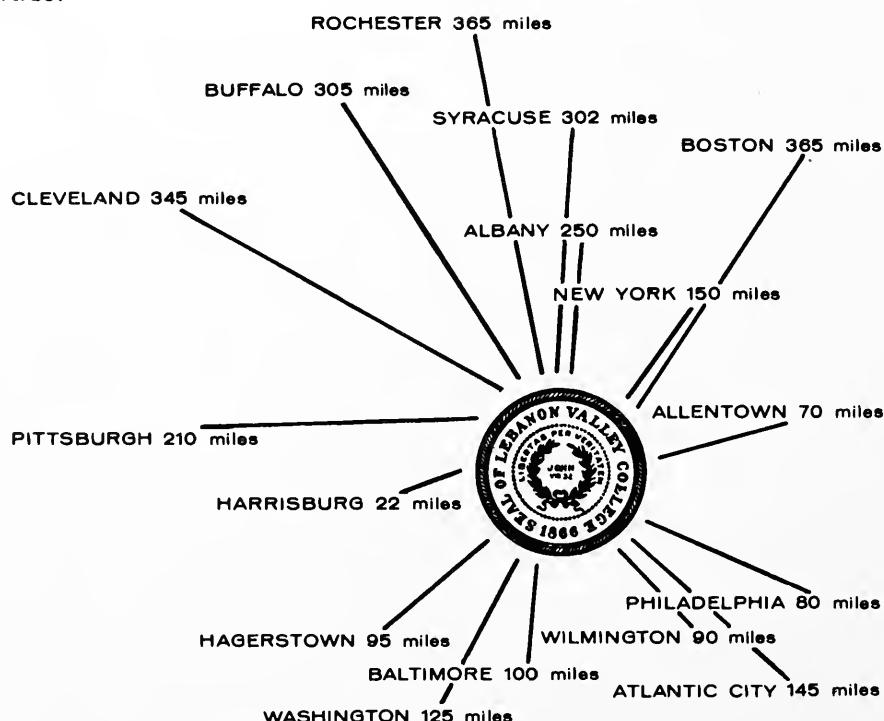
4. To help train well-informed, intelligent, and responsible citizens, qualified for leadership in community, state, and nation.
5. To provide pre-professional students with the broad preliminary training recommended by professional schools and professional associations.
6. To provide, in an atmosphere of liberal culture, partial or complete training for certain professions and vocations.
7. To provide opportunity for gifted students to pursue independent study for the purpose of developing their intellectual powers to the maximum.

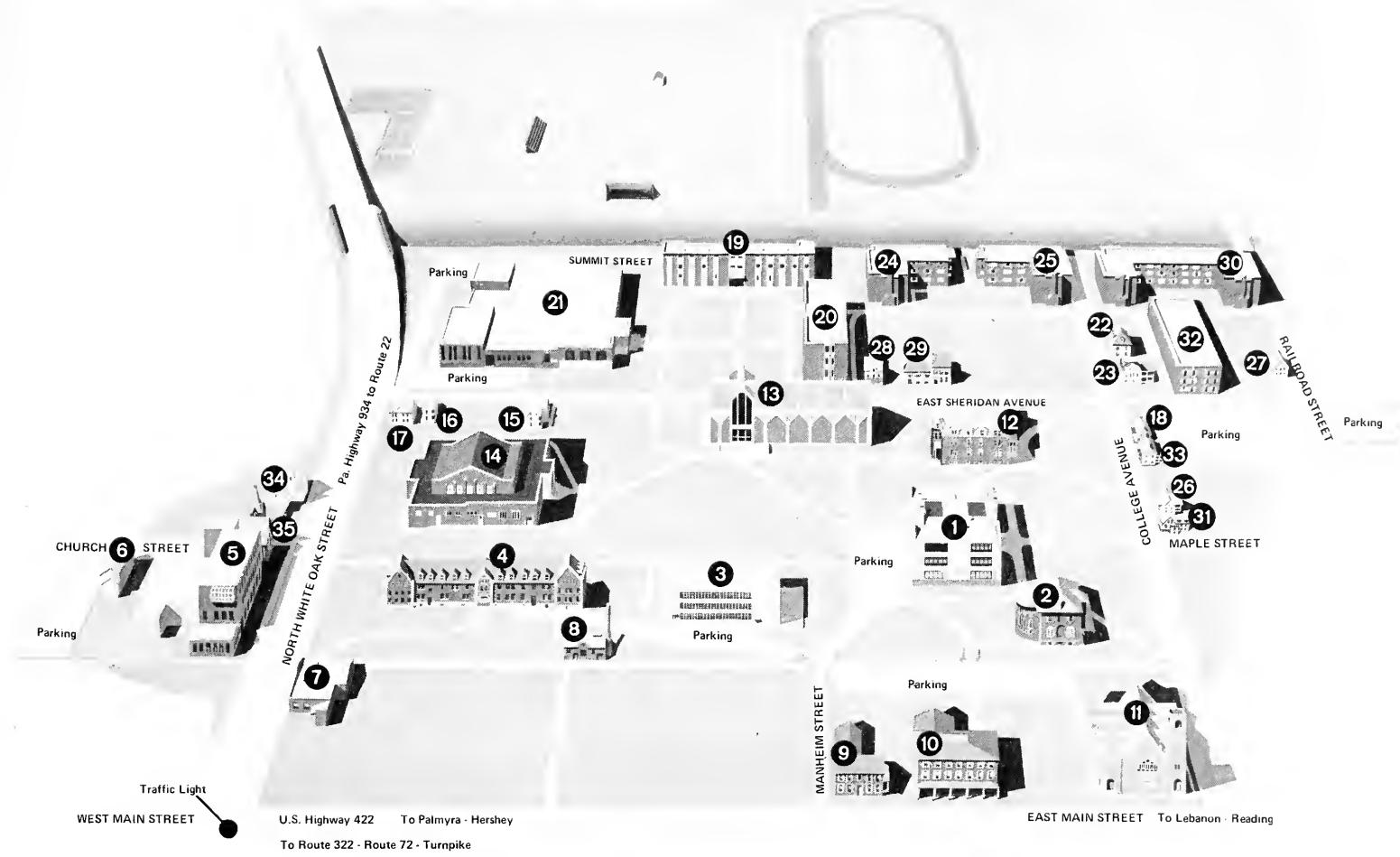
LOCATION AND ENVIRONMENT

Lebanon Valley College is located in Annville, Lebanon County, Pennsylvania, twenty miles east of Harrisburg and five miles west of Lebanon. The campus faces U.S. Highway 422 on the south and Pennsylvania Highway 934 on the west. Lebanon Valley College is accessible from the Pennsylvania Turnpike using the Lebanon-Lancaster Interchange, Pennsylvania Highway 72, and Highway 322.

Bus service between Reading and Harrisburg over Highway 422 provides rail and air connections at Harrisburg for Philadelphia, New York, Baltimore, Washington, Pittsburgh, and other major cities.

Annville is a residential community of about 4000 people situated in the agricultural country of the Pennsylvania Germans. Of historical significance in nearby areas are the Cornwall Charcoal Furnace, which dates back to 1742 and which supplied cannonballs for Washington's army, and the adjacent Cornwall Ore Mines which are still operated by the Bethlehem Steel Corporation; the Union Canal Tunnel (the oldest existing canal tunnel in the United States) and remnants of the locks used from 1828 to 1885 by the canal which provided access from the Susquehanna River to Philadelphia; and the first municipal water works in America at Schaefferstown.





- | | | |
|--------------------------------------|--|----------------------------|
| Administration Building 1 | Faculty Offices, 130 College Ave. 33 | Music Annex I 34 |
| Art Building 7 | Funkhouser Hall 30 | Music Annex II 35 |
| Carnegie Lounge 2 | Gossard Memorial Library 3 | North College 22 |
| Center Hall 29 | Mary Capp Green Hall 19 | Saylor Hall 23 |
| Central Heating Plant 8 | Hammond Hall 25 | Science Hall 5 |
| Chapel 13 | Infirmary 28 | Sheridan Hall 15 |
| College Center 21 | Keister Hall 24 | South Hall 10 |
| Dormitory (New) 32 | Kreider Hall 4 | United Methodist Church 11 |
| East College 27 | Laughlin Hall 9 | Vickroy Hall 20 |
| Engle Hall 12 | Lynch Memorial Building (Gymnasium) 14 | Wagner House 18 |
| Faculty Offices, 104 College Ave. 31 | Maintenance Building 6 | West Hall 17 |
| Faculty Offices, 112 College Ave. 26 | | West Hall Annex 16 |

CAMPUS, BUILDINGS, AND EQUIPMENT

The campus of 60 acres is situated in the center of Annville. The college plant consists of 34 buildings including:

The Administration Building — Administrative offices (President, Vice President and Dean of the College, and Vice President and Controller) are located on the main floor. The remainder of the building is devoted to classrooms, laboratories, faculty offices, and administrative services.

Gossard Memorial Library — The Gossard Memorial Library was opened in June, 1957. The more than 101,000 volumes include an excellent collection of standard reference works and bound periodicals. In addition to resources used by the various departments of the College, a diversified collection of periodicals is available.

The Hiram Herr Shenk Collection (which includes the Heilman Library) and the C. B. Montgomery Memorial Collection contain many valuable works dealing with the history

and customs of the Pennsylvania Germans. These collections are housed in the Historical Collection Room and are open for reference use under staff supervision.

A separate room houses the archives of the Historical Society of the Eastern Conference of the United Methodist Church. The materials in this collection are available for reference under the supervision of the Conference Historian.

Special equipment of the library includes a music and listening room outfitted with turntables and earphones, typing booths for students, conference rooms, microfilm reader-printers (there are some 6,900 periodicals on microfilm), an electrostatic copier, and carrels for individual study. In addition to the library proper, the building contains an audio-visual room equipped with a loudspeaker system and adaptable to the exhibiting of works of art.

Chapel — This building houses the main sanctuary and meditation chapel, office of the Chaplain, faculty offices of departments of religion and philosophy, classrooms, a fellowship room, and offices for PROJECT and Delta Tau Chi.



Engle Hall — Engle Hall houses the department of music and includes an auditorium, classrooms, studios, offices, and private practice rooms.

Saylor Hall — Practice rooms of the department of music are located in Saylor Hall.

Carnegie Building — The former Carnegie Library now houses the offices of the Dean of Men, the Dean of Women, and faculty in secondary education as well as the admissions office and the Teacher Placement Bureau.

Science Hall — The first floor of Science Hall contains laboratories, library, class and conference rooms, and offices of the department of chemistry. The second and third floors are equipped with similar facilities and a greenhouse of the department of biology.

Lynch Memorial Physical Education Building — This modern plant is well equipped for physical education, recreation, and campus meetings. It also houses the offices of the department of economics and business administration.

Residence Halls — There are six residence halls for women (Centre, Green, North, Vickroy, West, and the new dormitory south of Funkhouser) and six for men (East, Funkhouser, Hammond, Keister, Sheridan, and West Annex).

The College Center — Within the College Center are located the college dining rooms, which have facilities for serving all resident students; the college store where textbooks, school supplies, stationery, clothing, and souvenirs can be purchased; a central information center and offices for the College Center director; and a 277-seat theater. In addition the Center contains a snack shop, a TV lounge, a music listening room, meeting rooms, lounges, a darkroom and offices for the student newspaper and the college yearbook.

104 College Avenue — This building houses offices of the department of foreign languages.

112 College Avenue — This building provides offices for the department of English.

Wagner House — A lounge for faculty and professional staff is located on the first floor; overnight rooms for guests of the College are on the second. This is a former residence at 124 College Ave.

130 College Avenue — On the first floor are the offices of the department of history and political science, on the second floor, those of the department of sociology and a seminar room.

South Hall — South Hall houses the office of the Assistant Dean of the College and Registrar.

Laughlin Hall — The offices of the College Relations Area (Alumni, Development, and Public Relations) are located in Laughlin Hall.

Infirmary — Staffed by a head nurse and resident nurses, the infirmary is available to all students. The College physicians are on call at all times.



SUPPORT AND CONTROL

Lebanon Valley College receives support authorized by the General Conference of the United Methodist Church, individual congregations of the denomination in the Eastern Pennsylvania Conference and the Central Pennsylvania Conference, endowments, and the Pennsylvania Foundation for Independent Colleges. Also, since at Lebanon Valley College as at most other institutions of higher learning the tuition and other annual charges paid by the student do not cover the total cost of his education, additional income is derived through the Lebanon Valley College Fund. The Fund is supported by industry, alumni, the Board of Trustees, parents of students, and other friends of the College.

Total assets of Lebanon Valley College are approximately \$14,000,000, including endowment funds in excess of \$2,750,000. Aside from general endowment income available for unrestricted purposes, there are a number of special funds designated for specific uses such as professorships, scholarships, and the library.

Control of the College is vested in a Board of Trustees composed of 51 elected members, 27 of whom represent church conferences; 5 of whom represent the alumni of the institution; 5 of whom represent the faculty; and 14 of whom are elected at large.

ENDOWMENT FUNDS (June 30, 1971)

UNRESTRICTED

For General Purposes

RESTRICTED

Professorship Funds

Chair of English Bible and Greek Testament
Josephine Bittinger Eberly Professorship of Latin Language and Literature

John Evans Lehman Chair of Mathematics
The Rev. J. B. Weidler Endowment Fund
The Ford Foundation

Restricted Other

Bishop J. Balmer Showers Lectureship Fund
Karl Milton Carnegie Fund

Special Fund—Faculty Salaries

The Batdorf Fund
E. N. Funkhouser Fund
Mr. and Mrs. C. H. Horn Fund
Mary I. Shumberger Memorial Fund
Woodrow W. Waltermyer Professorship Fund

Library Funds

Library Fund of Class of 1916
Class of 1956 Library Endowment Fund
Dr. Lewis J. and Leah Miller Leiby Library Fund

Maintenance Funds

Hiram E. Steinmetz Memorial Room Fund

Equipment Funds

Dr. Warren H. Fake and Mabel A. Fake Science Memorial Fund
Williams Foundation Endowment Fund

Publicity Funds

Harnish-Houser Publicity Fund



Scholarship Funds

Allegheny Conference C.E. Scholarship Fund
A.F.S. Scholarship Fund
Alumni Scholarship Fund
Dorothy Jean Bachman Scholarship Fund
Lillian Merle Bachman Scholarship Fund
Baltimore Fifth Church, Otterbein Memorial Sunday School Scholarship Fund
E. M. Baum Scholarship Fund
Andrew and Ruth Bender Scholarship Fund
Cloyd and Mary Bender Scholarship Fund
Biological Scholarship Fund
Eliza Bittinger Scholarship Fund
Mary A. Bixler Scholarship Fund
I. T. Buffington Scholarship Fund
Alice Evers Burtner Memorial Award Fund
Mr. and Mrs. D. Clark Carmean Scholarship Fund
Collegiate Scholarship Fund of Evangelical United Brethren Church
Isaiah H. Daugherty and Benjamin P. Raab Memorial Scholarship Fund
Senator James J. Davis Scholarship Fund
William E. Duff Scholarship Fund
Derickson Scholarship Fund
East Pennsylvania Conference C.E. Scholarship Fund
East Pennsylvania Branch W.S.W.S. Scholarship Fund
Samuel F. and Agnes F. Engle Scholarship Fund
M. C. Favinger and Wife Scholarship Fund
Fred E. Foos Scholarship Fund
C. C. Gingrich Scholarship Fund
G. D. Gossard and Wife Scholarship Fund
Margaret Verda Graybill Memorial Scholarship Fund
Peter Graybill Scholarship Fund
Jacob F. Greasly Scholarship Fund
Hilda Hafer Scholarship Fund
Harrisburg Otterbein Church of The United Brethren In Christ Scholarship Fund
Harrisburg Otterbein Sunday School Scholarship Fund
Alice M. Heagy Scholarship Fund
J. M. Heagy and Wife Scholarship Fund
Bertha Foos Heinz Scholarship Fund
Harvey E. Herr Memorial Scholarship Fund
Edwin M. Hershey Scholarship Fund
Merle M. Hoover Scholarship Fund
Judge S. C. Huber Scholarship Fund

Cora Appleton Huber Scholarship Fund
H. S. Immel Scholarship Fund
Henry G. and Anna S. Kauffman and Family Scholarship Fund
John A. H. Keith Fund
Barbara June Kettering Scholarship Fund
Rev. and Mrs. J. E. and Rev. A. H. Kleffman Scholarship Fund
Dorothea Killinger Scholarship Fund
A. S. Kreider Ministerial Scholarship Fund
W. E. Kreider Scholarship Fund
Maud P. Laughlin Scholarship Fund
Lebanon Steel Foundry Foundation Scholarship Fund
The Lorenz Benevolent Fund
Mrs. Edwin M. Loux Scholarship Fund
Lykens Otterbein Church Scholarship Fund
Mechanicsburg U.B. Sunday School Scholarship Fund
Medical Scholarship Fund
Elizabeth Meyer Endowment Fund
Elizabeth May Meyer Musical Scholarship Fund
Mrs. Elizabeth H. Millard Memorial Scholarship Fund
Harry E. Miller Scholarship Fund
Bishop J. S. Mills Scholarship Fund
The Ministerial Student Aid Gift Fund of The Evangelical United Brethren Church
Germaine B. Monteux Memorial Scholarship Fund
Elizabeth A. Mower Beneficiary Fund
Neidig Memorial Church Ministerial Scholarship Fund
Grace U.B. Church of Penbrook, Penna. Scholarship Fund
Pennsylvania Branch W.S.W.S. Scholarship Fund in Memory of Dr. Paul E. V. Shannon
Pennsylvania Conference C.E. Scholarship Fund
Pennsylvania Conference Youth Fellowship Scholarship Fund
People's National Bank of Lebanon Achievement Award in Economics
Philadelphia Lebanon Valley College Alumni Scholarship Fund
Rev. H. C. Phillips Scholarship Fund
Sophia Plitt Scholarship Fund
Quincy Evangelical United Brethren Orphanage and Home Scholarship Fund

Ezra G. Ranck and Wife Scholarship Fund
Levi S. Reist Scholarship Fund
G. A. Richie Scholarship Fund
Emmett C. Roop Scholarship Fund
Reynaldo Rovers Memorial Scholarship Fund
Harvey L. Seltzer Scholarship Fund
Mary Ann Ocker Spital Scholarship Fund
Rev. and Mrs. Cawley H. Stine Scholarship Fund
Dr. Alfred D. Strickler and Louise Kreider Strickler Pre-Medical Scholarship Fund
Washington, D. C. Memorial E.U.B. Ministerial Scholarship Fund
Henry L. Wilder Scholarship Fund
Jacob C. Winter Memorial Scholarship

Student Loan Funds

Mary A. Dodge Loan Fund
Daniel Eberly Scholarship Fund

Prize Funds

Bradford C. Alban Memorial Award Fund
The L. G. Bailey Award
Henry H. Baish Memorial Fund
Andrew Bender Memorial Chemistry Fund

The Class of 1964 *Quittapahilla* Award Fund
Governor James H. Duff Award
The French Club Prize Fund
Florence Wolf Knauss Memorial Award in Music
La Vie Collegienne Award Fund
Max F. Lehman Fund
The David E. Long Memorial Fund
Germaine Benedictus Monteux Music Award
Pickwell Memorial Music Award
The Rosenberry Award
Wallace-Light-Wingate Award
The Salome Wingate Sanders Award in Music Education

Annuity Funds

Paul F. Fulk and Margaret M. Fulk
Rev A. H. Kleffman and Erma L. Kleffman
E. Roy Line Annuity
Ruth Detwiler Rettew Annuity Fund

Life Income Agreements

Lutz Memorial Trust



ENROLLMENT STATISTICS

SUMMARY OF COLLEGE YEAR, 1970-1971 — CUMULATIVE

DAY-TIME	FULL-TIME			PART-TIME			TOTAL		
	Men	Women	Total	Men	Women	Total	Men	Women	Total
Degree Students									
Seniors	104	88	192	6	11	17	110	99	209
Juniors	114	106	220	3	4	7	117	110	227
Sophomores	139	107	246	0	3	3	139	110	249
Freshmen	183	125	308	3	0	3	186	125	311
Non-degree	1	2	3	10	16	26	11	18	29
Day-time Total ...	541	428	969	22	34	56	563	462	1025
Evening-Campus				31	58	89	31	58	89
University Center at Harrisburg				281	266	547	281	266	547
Grand Total	541	428	969	334	358	692	875	786	1661
Names Repeated .				-4	-5	-9	-4	-5	-9
Net Total	541	428	969	330	353	683	871	781	1652
*Music Specials				12	26	38	12	26	38
Summer Session, 1971									
College				69	48	117	69	48	117
*Music Specials				13	19	32	13	19	32
Names Repeated .				-4	-5	-9	-4	-5	-9

* Not included in totals

SUMMARY OF FIRST SEMESTER — 1971-1972

DAY-TIME	FULL-TIME			PART-TIME			TOTAL		
	Men	Women	Total	Men	Women	Total	Men	Women	Total
Degree Students									
Seniors	108	92	200	3	7	10	111	99	210
Juniors	131	100	231	1	4	5	132	104	236
Sophomores	127	101	228	4	0	4	131	101	232
Freshmen	171	138	309	0	2	2	171	140	311
Non-degree	1	4	5	10	13	23	11	17	28
Day-time Total ..	538	435	973	18	26	44	556	461	1017
Evening-Campus				11	39	50	11	39	50
University Center at Harrisburg				105	135	240	105	135	240
Grand Total	538	435	973	134	200	334	672	635	1307
Names Repeated .				-2	-8	-10	-2	-8	-10
Net Total	538	435	973	132	192	324	670	627	1297
*Music Specials				9	27	36	9	27	36

* Not included in totals

Information For Prospective Students



ADMISSION

Students are admitted to Lebanon Valley College on the basis of scholarly achievement, intellectual capacity, character, personality, and ability to profit by college experience.

GENERAL INFORMATION

1. All communications concerning admission should be addressed to the Director of Admissions, Lebanon Valley College, Annville, Pennsylvania 17003.
2. Applications should be submitted as early as possible in the latter part of the junior or the beginning of the senior year of high school or preparatory school.
3. Applications must be filed on forms provided by the office of admissions.
4. Each application must be accompanied by an application fee of \$10.00. This fee is not refundable.
5. A transcript of the secondary school record, on a form provided by the College for that purpose, must be sent by the principal to the Director of Admissions. May 1 is the deadline for receiving applications.
6. A student transferring from another collegiate institution must present an official transcript of his scholastic record and evidence of honorable dismissal.
7. All new students are required to present on or before August 20 the official health record showing a physician's report of medical examination; certification of vaccination within a period of five years and immunization against flu, polio, and tetanus given just prior to the student's entrance to college.
8. All applicants shall be considered for admission without regard to their race, religion, creed, or country of national origin.

Admission is based on total information submitted by the applicant or in his behalf. Final decision, therefore, cannot be reached until all information has been supplied by the applicant.

FACTORS DETERMINING ADMISSION

Each candidate for admission will be considered individually and the decision of the Admissions Advisory Group with respect to admission will be based on the following factors:

1. The transcript of the applicant's secondary school record.
2. Recommendation by the principal, teachers, and other responsible persons as to the applicant's special abilities, integrity, sense of responsibility, seriousness of purpose, initiative, self-reliance, and concern for others.
3. A personal interview, whenever possible, with the Director of Admissions or his designate.
4. College Entrance Examination Board test results: (a) Scholastic Aptitude Test, (b) three achievement tests — English composition and two optional tests. All candidates for admission are required to take the Scholastic Aptitude Test and three achievement tests — English composition and any other two. Those seeking entrance in September are advised to take these tests no later than in the preceding December and/or January. Full information concerning dates and locations of these test administrations may be obtained by writing to: College Entrance Examination Board, P.O. Box 592, Princeton, N. J. 08540.
5. Additional test results which may be required in special cases by the Admissions Advisory Group.

ADMISSION TO THE DEPARTMENT OF MUSIC

An applicant to the music or music education curriculums is expected to satisfy the general requirements for admission. In addition, the candidate must appear for an audition before members of the music faculty and show evidence of:

1. An acceptable singing voice and a fairly quick sense of tone and rhythm;
2. Ability to sing at sight hymn and folk tunes with a fair degree of accuracy and facility;
3. Ability to sing or to play the piano, organ, or some orchestral instrument at a level representing three years of study.

RECOMMENDED UNITS FOR ADMISSION

It is recommended that all candidates offer 16 units of entrance credit and graduation from an accredited secondary school or submit an equivalency certificate acquired through examination.

Ten of the 16 units offered for admission must be from the following subjects: English, foreign language, mathematics, science, and social studies.

An applicant for admission whose preparatory courses do not coincide with the distribution of subject units (see below) may be considered by the Admissions Advisory Group if his academic record is of high quality and if, in the opinion of the Admissions Advisory Group, he appears to be qualified to do college work satisfactorily. All entrance deficiencies must be removed before sophomore academic status will be granted.

DISTRIBUTION OF SUBJECT UNITS

English	4	units
Foreign Language (in one language)*	2	"
Mathematics	2	"
Science (laboratory)	1	"
Social Studies	1	"
Electives	6	"
Total required	16	"

* If an applicant cannot present the two units of foreign language, he will be required to take a minimum of two years of one language in college. His credits for this work will be counted toward graduation requirements.

TRANSFER CREDIT

A student applying for advanced standing at Lebanon Valley College after having attended another accredited institution of higher education shall submit an official transcript of his record and evidence of good standing to the Director of Admissions. He must also submit College Board Aptitude Test scores. If requested, he must provide copies of the appropriate catalogs for the years of attendance at the other institution or institutions.

Credits are accepted for transfer provided that the grades received are C (2.0) or better and the work is equivalent or similar to work offered at Lebanon Valley College. Grades thus transferred count for hours only, not for quality points.

Students transferring from two-year institutions are required to earn at least 60 hours of credit from a four-year institution for graduation. A minimum of 30 hours of this must be taken at Lebanon Valley College to meet the residence requirement.

Transfer students may be required to take placement examinations to demonstrate adequate preparation for advanced courses at Lebanon Valley College.

Subject to the conditions listed in the second paragraph, Lebanon Valley College will recognize for transfer credit a maximum of 15 hours of USAFI course work provided such credit is recommended by the American Council on Education's publication, *A Guide to the Evaluation of Educational Experiences in the Armed Services*.

Credit will not be granted for correspondence courses:

ADVANCED PLACEMENT

Advanced placement and/or credit may be granted to entering students who make scores of 3, 4, or 5 on the College Board Advanced Placement examination.

Advanced placement without credit may be granted on the basis of the Achievement Tests of the College Board Examinations or such other proficiency tests as may be determined by the Assistant Dean of the College and by the chairman of the department in which advanced placement is sought.

STUDENT FINANCES

Lebanon Valley College is a private non-profit institution. It derives its financial support from endowment and gifts from the United Methodist Church, alumni, industry, friends and from the tuition, fees, and other charges paid by the students. The cost to the student is maintained at a level consistent with adequate facilities and high quality instruction.

FEES AND DEPOSITS

An application fee of \$10.00 which is not refundable is charged each applicant to apply against the cost of processing his application for admission. An admission deposit of \$100.00, payable within ten days of notification of acceptance, is required of all new (including transfer) students. Until this deposit is paid the student is not guaranteed a place in the entering class. The admission deposit is not refundable; it will be applied to the student's account upon registration.

1972-1973 FEE STRUCTURE FOR FULL-TIME DEGREE CANDIDATES

	Resident Each Semester	Non- Resident Each Semester
Standard Charges		
Tuition and Fees*	\$1,000	\$1,000
Room and Board	525	....
	\$1,525**	\$1,000**

Students may be subject to the following additional fees and charges, depending upon their program:

Laboratories, in excess of one per semester:

Science, Mathematics,
Languages \$20.00 per semester
All other laboratories .. 15.00 per semester

Student Teaching Fee: \$8.00 per credit

Music Fees:

Private music instruction
(1/2 hour per week,
15 weeks) 60.00 per semester

* Fee portion is \$25 per semester.

** The fee structure (student charges) as published in this catalog are subject to change or revision at the discretion of the College.

Class music instruction
(1 hour per week) . . . 40.00 per semester
Organ, practice rental
(per hour per week). 8.00 per semester
Band and orchestral
instrument rental . . . 15.00 per semester
Transcript, in excess
of one \$ 1.00

A required insurance fee is collected in the first semester of the student's enrollment and a pro-rata charge applies to the student who first enrolls in the second semester.

The contingency deposit in the amount of \$25.00 must be made before registration and is required of all full-time students and will be refunded upon graduation or withdrawal from college provided no damage has been caused by the student. All student breakage that occurs in college-operated facilities will be charged against this deposit and the amount must be repaid to the College within 30 days of notice to the student.

A fee of \$10.00 is charged each student who does not register for classes during any prescribed pre-registration or registration period. A fee of \$5.00 is charged for every change of course made at the student's request after registration.

The fee for part-time students (less than 12 credit hours per semester) is \$75.00 per semester credit hour plus a \$2.00 registration fee; the fee for credit hours in excess of 16 credit hours per semester is \$60.00; fractional hours of credit are charged proportionately.

AUXILIARY SCHOOL FEE STRUCTURE (EVENING AND SUMMER)

Tuition, \$60.00 per semester credit hour
Registration fee, \$2.00
Late preregistration or registration fee, \$5.00
Change of registration fee, \$5.00

PAYMENT OF FEES AND DEPOSITS

Semester charges are due and payable in full on August 10 (first semester) and January 1 (second semester) as a condition for registration. Those preferring to pay semester charges in monthly installments are invited to consult with the office of the Controller re-

garding deferred payment plans offered by various financial institutions. Arrangements for deferred payment plans shall be completed early enough to assure payment of bills no later than the date that semester charges are due and payable (August 10 and January 1).

A satisfactory settlement of all college accounts is required before grades are released, transcripts are sent, honorable dismissal granted, or degree conferred.

REFUND POLICY

Refunds, as indicated below, are allowed only to students who officially withdraw from the College by completing the clearance procedure:

Period of student attendance in college from date classes begin	% of tuition refunded
Less than three weeks	75%
Over three weeks	0%

A refund on board charge is allowed for the period beginning after honorable official withdrawal.

No refund is allowed on student charges when a student retains his class standing during his absence from college because of illness or for any other reason.

No refund is allowed on room charges. No refund is allowed on room deposit except when withdrawal results from suspension or dismissal by College action or when withdrawal results from entrance into active military service.

RESIDENCE HALLS

Residence hall rooms are reserved only for those returning students who make an advance room reservation deposit of \$50.00. (Receipt must be presented at the time of room sign-up which occurs immediately after the Easter vacation.)

Occupants must pay for any breakage or loss of furniture, or any other damage for which they are responsible.

Each room in the men's residence halls is furnished with chests of drawers, book case, beds, mattresses, chairs, and study tables. Drapes are provided in Funkhouser, Hammond, and Keister Halls. Students must pro-



vide bedding, rugs, lamps, and all other furnishings.

Each room in the women's residence halls is furnished with beds, mattresses, chairs, dressers, book case, and study tables. Drapes are provided in Mary Green and Vickroy Halls. Other desired furnishings must be supplied by the student.

Students rooming in residence halls may not sublet their rooms to commuting students or to others.

Since Lebanon Valley College is primarily a boarding institution, all students are required to live in college-owned or controlled residence halls. Exceptions to the above are: married students, students living with immediate relatives, or those living in their own homes who commute daily to the campus.

Should vacancies occur in any of the residence halls, the College reserves the right to require students rooming in the community to move into a residence hall.

The College reserves the right to close all residence halls during vacations and between semesters.

The College reserves the right to inspect any student's room at any time. Periodic inspection of residence halls will be made by members of the administration.

The College is not responsible for loss of personal possessions by the students.

Lounges are provided by the College for resident and commuting students.

MEALS

All resident students are required to take their meals in the college dining rooms. Commuting students may arrange for meals Monday through Friday, on a semester basis, if space is available.

FINANCIAL AID

Lebanon Valley College offers financial aid to deserving students who have been accepted for admission insofar as its aid funds permit. Students apply for financial aid by submitting the Parents' Confidential Statement (PCS) directly to the College Scholarship Service, Box 176, Princeton, New Jersey 08540. Applications for financial aid (PCS) are available to high school seniors in the guidance counselor's office and to college upperclassmen in the financial aid office. It is not necessary to await notification of acceptance to Lebanon Valley College before applying for financial aid; in fact, application for financial aid should be made as early as possible and no later than February 1.

All financial aid is awarded for one year on the basis of financial need (except Presidential Scholarships). The PCS form assists the Financial Aid Officer in determining the applicant's need for financial aid. Participants in CSS subscribe to the principle that the amount of financial aid granted a student should be based upon financial need. Students receiving aid from sources outside the College are required to report the amount and source of financial aid to the financial aid office. The College reserves the right to review and to adjust the financial aid offering and award accordingly.

All financial aid is reviewed annually. Eligibility for renewal of financial aid is based upon need as established on the renewal PCS, satisfactory conduct, and maintenance of the required scholastic average.

PRESIDENTIAL SCHOLARSHIPS

Presidential scholarships are awarded to entering students by the President of Lebanon Valley College in recognition of superior attainment in high school study. A 2.5 cumulative grade-point average is required for automatic reinstatement of these awards.

GRANTS-IN-AID

Grants-in-aid are available to entering freshmen and upperclassmen who have demonstrated capability either in high school or in college work. A 2.0 cumulative grade-point average is required for automatic continuation of these grants. Annual renewal of the PCS is required for upperclassmen.

FEDERAL OPPORTUNITY GRANTS

Educational grants range from \$200 to \$1,000 per academic year and are based upon genuine need as stipulated by the federal government and supported by the Parents' Confidential Statement.

STUDENT LOANS

National Defense Loans are available under the Higher Education Act of 1965. Qualifying students may borrow up to \$1,000 per year. A Parents' Confidential Statement must be submitted.

STUDENT EMPLOYMENT PROGRAMS

A student in need of financial assistance may be assigned a campus employment position. Under the College Work Study Program which is underwritten by the federal government a student may work an average of 15 hours per week during any week when classes are in session. A student under this program may work 40 hours per week during any week when classes are not in session.

In addition, the College operates its own student employment program affording opportunities for students to work in a variety of positions as their schedules permit.

For further information, write to the Financial Aid Officer, Lebanon Valley College, Annville, Pennsylvania 17003.

Academic Programs & Procedures



REQUIREMENTS FOR DEGREES

Lebanon Valley College confers five bachelor degrees. They are: Bachelor of Arts, Bachelor of Science, Bachelor of Science in Chemistry, Bachelor of Science in Medical Technology, and Bachelor of Science in Nursing.

The degree of Bachelor of Arts is conferred upon students who complete the requirements for graduation in the following areas, and who are recommended by the faculty and approved by the Board of Trustees: English, French, German, Greek, history, Latin, mathematics, music, philosophy, physics, political science, psychology, religion, sociology, and Spanish.

The degree of Bachelor of Science is conferred upon students who complete the requirements in the following areas, and who are recommended by the faculty and approved by the Board of Trustees: actuarial science, biology, chemistry, cooperative engineering, cooperative forestry, economics and business administration, elementary education, mathematics, music education, and physics.

The professional degrees of Bachelor of Science in Chemistry, Bachelor of Science in Medical Technology and Bachelor of Science in Nursing are conferred upon students who complete the requirements in the respective professional areas and who are recommended by the faculty and approved by the Board of Trustees.

SEMESTER HOURS

The requirements for degrees are stated in "semester hours of credit" which are based upon the satisfactory completion of courses of instruction. Generally, one semester hour credit is given for each class hour a week throughout the semester. In courses requiring laboratory work, not less than two hours of laboratory work a week throughout a semester are required for a semester hour of credit. A

semester is a term of approximately 15 weeks.

Candidates for degrees must obtain a minimum of 120 semester hours credit in academic work in addition to the required courses in freshman and sophomore physical education. However, a student who has a physical disability may be excused (on recommendation from the College Physician) from the requirement in physical education.

MAJOR

As a part of the total requirement of 120 hours every candidate for a degree must present at least 24 semester hours of course work in one department (this is his major). The initial selection of a major may be indicated or recorded any time before the end of the student's sophomore year. Such a choice of department or curriculum in which he will pursue work of special concentration must be made by the time of registration for the junior year.

A student shall be accepted as a major in a department so long as he has not demonstrated (by achieving less than the minimum grade-point average in the desired major) that he is incapable of doing satisfactory work in the department. A student accepted as a major has the right to remain in that department, except by special action of the Dean of the College, as long as he is in college.

EXAMINATIONS

Candidates for degrees are required to take end of course examinations.

RESIDENCE REQUIREMENT

Degrees will be conferred only upon those candidates earning in residence a minimum of 30 semester hours out of the last 36 taken before the date of the conferring of the degree, or before the transfer to a cooperating program. Residence credit is given for course work completed in regular day classes and in evening and summer session courses taken on campus.

GRADE POINT AVERAGES

Candidates for degrees must also obtain a cumulative grade-point average of 1.75, computed in accordance with the grading system indicated below.

In addition, candidates must earn a grade-point average of 2.0 in the major field of study.

Only grades received in courses taken on campus or in courses staffed by Lebanon Valley College at the University Center at Harrisburg are used to determine grade-point averages.

SYSTEM OF GRADING AND QUALITY POINTS

The work of a student in each subject is graded A, B, C, D, or F, with the plus and minus available to faculty members who wish to use them. These grades have the following meanings:

A—distinguished performance

B—superior work

C—general satisfactory achievement

D—course requirements and standards satisfied at a minimum level

F—course requirements and standards not satisfied at a minimum level

A student may not take any course which has as a prerequisite a course that he has failed. If a student fails in a course twice, he may not take it a third time.

In addition to the above grades the symbols "I," "W," "WP," and "WF" are used on grade reports and in college records. "I" indicates that the work is incomplete (that the student has postponed with the prior consent of the instructor and for substantial reason, certain required work), but otherwise satisfactory. This work must be completed within the first six weeks of the beginning of the semester following, or the "I" will be converted to an F. Appeals for extension of time beyond six weeks must be presented in writing to the Assistant Dean of the College not later than one week after the beginning of the next semester.

W indicates withdrawal from a course any time within the first five weeks of classes of a semester without prejudice to the student's

standing. In case of withdrawal from a course after five weeks and not later than the end of ten weeks the symbol WP will be entered if the student's work is satisfactory, and WF if his work is unsatisfactory. The grade WP will be considered as without prejudice to the student's standing, but the grade WF will be counted as an F. If a student withdraws from a course after ten weeks, without a reason satisfactory to the Assistant Dean of the College, a grade of WF will be recorded.

For courses in which no academic credit is involved, student work is evaluated as either S (Satisfactory) or U (Unsatisfactory).

For each semester hour credit in a course in which a student is graded A, he receives 4 quality points; A—, 3.7; B+, 3.3; B, 3; B—, 2.7; etc. F carries no credit and no quality points.

PASS/FAIL GRADING

After a student has gained sophomore standing, he may elect to take up to two courses per semester and one one-semester course per summer session on a P/F basis, but only six of these courses can be counted toward graduation requirements.

Any courses not being counted toward the fulfillment of the general requirements or the specified major requirements may be optional on a pass/fail basis. Any pre-requisite course taken on a P/F basis and successfully completed will satisfy the pre-requisite.

Any course taken on a P/F basis will be graded P/H (pass with distinction), P (pass), or F (fail). P/H is defined as B+ and up, P is defined as D— through B; and F is below D—.

Any course completed on a P/F basis shall be counted toward graduation requirements but only an F grade shall be included in computing the grade-point average. All passing grades shall be treated on the record as transfer credit.

The student will indicate at the time of pre-registration or registration the courses that he has elected to take on a P/F basis. He may, with the approval of his advisor, change his option for P/F grading to the regular grading basis or from regular grading to P/F grading

within two weeks after the beginning of the semester.

Instructors will not be informed of the grading option selected by the student. Instructors will submit for each student an A through F grade which will be converted to P/H, P, or F for students selecting this grading system.

TRANSFER STUDENTS

Students transferring from two-year institutions are required to have at least 60 hours of work at a four-year institution for graduation. A minimum of 30 hours of this must be taken at Lebanon Valley College to meet the residence requirement. (See page 27)

Students transferring from other institutions must secure a grade-point average of 1.75 or better in work taken at Lebanon Valley Col-

lege, and must meet the 2.0 grade-point average in their major field.

ATTENDANCE AT BACCALAUREATE AND COMMENCEMENT PROGRAMS

All seniors are required to attend the baccalaureate and commencement programs at which their degrees are to be conferred.

Degrees will be conferred *in absentia* only for the most compelling reasons and only upon a written request approved by the Assistant Dean of the College. Such requests must be submitted at least two weeks prior to the date of commencement.

Faculty approval is required for the conferring of the degree and the issuance of the diploma in any case of wilful failure to comply with these regulations.



GENERAL AND DISTRIBUTION REQUIREMENTS

	Semester	Hours
I. GENERAL REQUIREMENTS:		
English Composition*	6	
Foreign Language (intermediate level)*	6	
Mathematics (First year level)*	3	
Religion**	6	
Physical Education (four semesters) ..	0	
II. DISTRIBUTION REQUIREMENTS:		
<i>Humanities:</i> Three one-semester courses (not more than two from one field) to be chosen from among art or music treated as one field; literature as offered by the department of English; literature as offered by the department of foreign languages; philosophy; religion	9	
<i>Social Sciences:</i> Three one-semester courses (not more than two from one field) to be chosen from among anthropology, economics, history, political science, sociology	9	
<i>Natural Sciences:</i> Three one-semester courses (not more than two from one field) to be chosen from biology, chemistry, physics, psychology	<u>9-12</u>	
	48-51	

* Requirement can be met by proficiency examinations selected by the chairman of the department involved in consultation with the Assistant Dean of the College, or through the Advanced Placement Programs.

** Requirement can be met by (a) Religion 111 and 112, or (b) Religion 111 or 112, and Religion 120 or 140.

Distribution requirements shall be met from among the following courses:

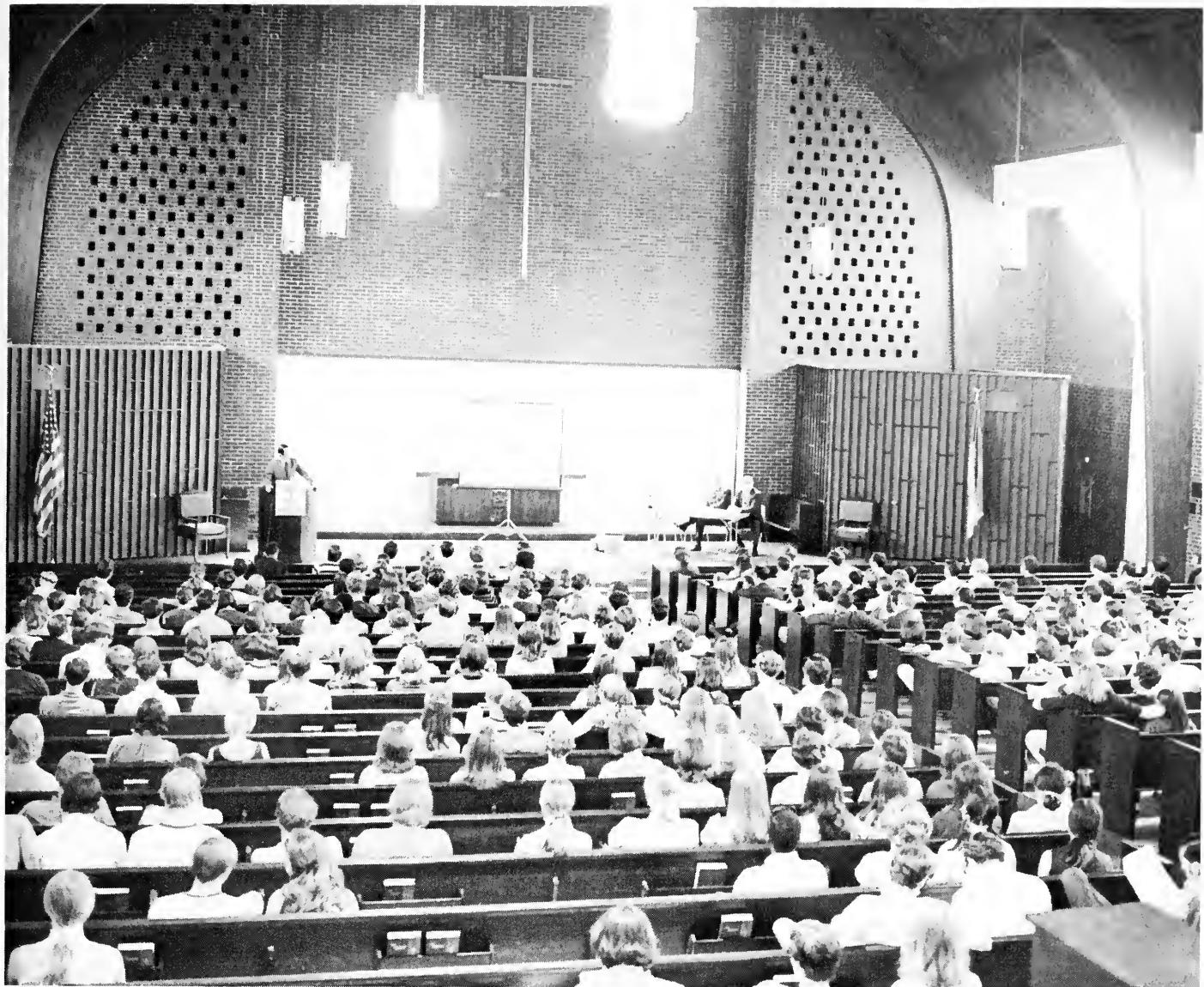
Humanities: Art 110, 201, 202; English 221/222, 225/226, 227/228, 229, 338; foreign literature courses above the 115 level; Music 100 or 341/342; Philosophy 110, 228; Religion 211, 212; and Religion 120, 140 if not used to fulfill the general requirement in religion.

Social Sciences: Anthropology 211; Economics 110, 120; History 111/112, 125/126, 213; Pol. Sci. 111/112, 311, 314; Sociology 111, 112, 333.

Natural Sciences: Biology 101, 102, 111, 112; Chemistry 111, 112; Physics 100, 103, 104, 111, 112; Psychology 110, 225, 226, 444.

Notes:

1. No course in the major field shall be used to meet general or distribution requirements.
2. No course taken as a general requirement may count toward a major.
3. No credit is given for an elementary language course if two or more years of the same language have been taken in secondary school or if credit for an elementary language course has been given on transfer from another institution. Credit is given for any other elementary language course.



THE COLLEGE HONORS PROGRAM

The college honors program exists for the following purposes: to provide an opportunity for intellectually able students to develop their abilities to the fullest extent, to recognize and encourage superior academic achievement, and to stimulate all members of the college family to greater interest and activity in the intellectual concerns of college life.

These objectives are pursued by means of a double-phased program consisting of (1) honors sections in a number of courses in-

cluded in the general and distribution requirements taken for the most part during the student's freshman and sophomore years, and (2) a departmental honors plan by which a student during his junior and senior years may do individual work within the department of his major concentration. An honors student may participate in either of these phases of the program without participating in the other. An over-all grade-point average of 3.00 is a requirement for the maintenance of honors status.

Appropriate recognition is given students who successfully complete either phase or both phases of the college honors program.

HONORS SECTIONS

Honors sections are offered in the following courses: English 111/112 (English Composition I, II), Religion 111 (Introduction to Biblical Thought), Religion 112 (Introduction to the Christian Faith), Economics 110, 120 (Principles of Economics I, II), English 227/228 (World Literature I, II), History 125/126 (Survey of United States History I, II), Psychology 110 (General Psychology), and Sociology 111 (Introduction to Sociology). The satisfactory completion of eighteen hours of honors work is required for official recognition of participation in this phase of the college honors program.

Freshmen are admitted to honors sections on the basis of their academic standing in secondary school, performance in the College Entrance Examination Board tests, the recommendation of teachers and counselors, and personal interviews with members of the Honors Council. Students not accepted initially can be admitted to the program at the beginning of subsequent semesters as they demonstrate ability to do superior work.

The seminar and tutorial methods are used to the greatest possible extent, and sections are kept small in size.

DEPARTMENTAL HONORS

Departmental honors may be taken in the student's major field in the junior and senior years. This program consists of a reading and/or research program producing a thesis or an essay. The latter is done on a problem or subject of the student's own choosing under the direct supervision of a faculty advisor. Opportunity is also offered to do creative work. A maximum of nine hours credit can be earned in departmental honors.

Departmental honors are offered in the following fields: chemistry, economics and business administration, elementary education, English, foreign languages, history, mathematics, music, philosophy, physics, political science, psychology, religion and sociology. For further details regarding requirements and



procedures in departmental honors see the appropriate paragraph under each department in the catalog section "Courses of Study."

AUXILIARY SCHOOLS

SUMMER, EVENING, EXTENSION

Summer sessions, evening classes on campus, and extension classes in the University Center at Harrisburg have enabled teachers, state employees, and others in active employment to attend college courses and secure academic degrees. By a careful selection of courses, made in consultation with the appropriate advisor, students can meet many of the requirements for a baccalaureate degree. Some courses may be taken for interim, provisional,

and permanent teaching certification; others may be taken with the aim of transferring credit to another institution. Many courses lead to professional advancement or are of direct benefit to persons in business or industry, while others assist in broadening the student's vocational, social, and cultural background.

SUMMER SESSION

Regularly enrolled students may, by taking summer session courses, meet the requirements for the bachelor's degree in three years.

CAMPUS EVENING CLASSES

Evening classes are offered on the campus, Monday through Thursday, and carry residence credit.

Separate brochures are published for the summer session and the evening classes. For copies or for other information pertaining to the summer session or evening classes write to the Assistant Dean of the College, Lebanon Valley College, Annville, Pennsylvania, 17003.

UNIVERSITY CENTER AT HARRISBURG

Extension classes are offered in the William Penn High School, Third and Division Streets and at the Center's campus, 2991 North Front Street, Harrisburg, 17110, on Monday through Thursday evenings and on Saturday mornings during the regular academic semesters. Classes meet during the summer sessions on Monday, Tuesday, and Thursday evenings. Lebanon Valley College's extension program in Harrisburg is carried on in conjunction with Elizabethtown College, Temple University, The Pennsylvania State University, and the University of Pennsylvania.

All students admitted and enrolled for a degree at the College are required to secure the permission of their advisors and the Assistant Dean of the College prior to enrolling for any courses at the University Center at Harrisburg.

For details pertaining to the University Center at Harrisburg write or call the director at 2991 North Front Street, Harrisburg, Pennsylvania 17110, at 238-9694 during the day or 238-9696 during the evening.

MARINE BIOLOGY PROGRAM

Lebanon Valley College offers a limited program in marine biology in cooperation with the University of Delaware College of Marine Studies and the University of Georgia Marine Institute.

Under this program the student takes the necessary fundamental science courses on campus and spends six to ten weeks in the summer between his junior and senior years at the University of Delaware College of Marine Studies, Lewes, Delaware. Nine credits of marine science work can thus be earned for transfer to Lebanon Valley College.

In addition, short field trips are made to Lewes as part of the ecology course (Biology 404). An extended field trip is made in the senior year to Sapelo Island, site of the University of Georgia Marine Institute. Opportunities are given here for study of various aspects of the ecology of an undisturbed marsh ecosystem and of basic oceanographic research methodology.

The College believes that the best preparation for a career in marine biology is a thorough grounding in biology, chemistry, physics, and mathematics. With the addition of the specific work in ecology and marine science, on campus and at the cooperating institutions, a student is well prepared both for an immediate career as well as for graduate work in the field.

JUNIOR YEAR ABROAD

A Lebanon Valley student may spend his junior year abroad in study under a program administered by an accredited American college or university, or in a program approved by Lebanon Valley College. Such a student must have maintained a B average at Lebanon Valley College, must be proficient in the language spoken in the country in which he will study, and must be a person who in the judgment of the Assistant Dean of the College and the faculty will be a worthy representative of his own country. His proposed course of study must be approved by the chairman of his department and the Assistant Dean of the College.

ACADEMIC PROCEDURES

REGISTRATION

Students are required to register for classes on official registration days of each semester and on designated pre-registration days. Information concerning the dates for official registration is listed in the college calendar, pages 3 and 5.

LATE REGISTRATION

Students registering later than the days and hours specified will be charged a late registration fee of ten dollars. Students desiring to register later than one week after the opening of the semester will be admitted only by special permission of the Assistant Dean of the College. Students who do not pre-register during the designated time will be charged a late pre-registration fee of ten dollars.

CHANGE OF REGISTRATION

Change of registration, including pass/fail elections, when necessary, must be made over the signature of the advisor. Registration for a course will not be permitted after the course has been in session for one full week. With the permission of his advisor, a student may withdraw from a course at any time within the first five weeks of classes in a semester without prejudice. (See p. 28.) A fee of \$5.00 is charged for every change of course made at the student's request after registration.

ORIENTATION FOR NEW STUDENTS

A spring orientation day is held annually for incoming students. At this time the activities include a general orientation to the College, diagnostic testing, counseling with academic advisors and pre-registration for courses. Special sessions for parents are a vital part of the program.

An orientation period of several days at the beginning of the college year is provided to help new students, both freshmen and transfers, to become familiar with their academic surroundings. This time is devoted to lectures, social activities, and informal meetings with members of the faculty.

During the first semester all freshmen and transfer students are required to participate in

an orientation course which includes a series of lectures and discussions on college procedures, campus activities, and methods of study.

DISCONTINUANCE OF COURSE

The College reserves the right to withdraw or discontinue any course for which an insufficient number of students have registered.

REPETITION OF COURSES

No student shall be permitted to repeat for credit, grade, or quality points a course for which he has already received a passing grade.

CONCURRENT COURSES

A student enrolled for a degree at Lebanon Valley College may not carry courses concurrently at any other institution without the prior consent of his advisor and the Assistant Dean of the College. Neither may a regular student carry work concurrently in evening or extension courses without the prior permission of his advisor and the Assistant Dean of the College.

A student registered at Lebanon Valley College may not obtain credit for courses taken in other colleges, including the University Center at Harrisburg, during the summer unless such courses have prior approval of his advisor and the Assistant Dean of the College.

AUDITING COURSES

Full-time students are permitted to register to audit courses with the consent of the instructor and the academic advisor. The regular tuition fee is charged. Neither grade nor credit is given either at the time the course is audited or thereafter.

FACULTY ADVISORS

Each student is assigned a faculty advisor who serves in the capacity of friendly counselor.

The initial selection of a major may be indicated or recorded any time before the end of the student's sophomore year. Such a choice of department or curriculum in which to pursue work of special concentration must be made by the time of registration for the junior year. This department or curriculum shall be known as his major. A student shall

be accepted as a major in a department so long as he has not demonstrated (by achieving less than the minimum grade-point average in the desired major) that he is incapable of doing satisfactory work in the department. The chairman or another member of the department or the advisor of the curriculum in which the student has elected to major becomes the advisor for that student. The advisor's approval is necessary before a student may register for or withdraw from any course or select or change his pass/fail elections.

ARRANGEMENT OF SCHEDULES

Each student arranges his course of study and his class schedule in consultation with, and approval of, his faculty advisor. Students already in attendance do this during pre-registration periods. New students accomplish this on the spring orientation day.

LIMIT OF HOURS

To be classified as full-time, a student must take at least twelve semester hours of work. Sixteen semester hours of work is the maximum permitted without approval of the advisor and special permission of the Assistant Dean of the College; physical education carries no credit.

The privilege of carrying extra hours will be granted only for compelling reasons and only when a satisfactory grade level has been maintained for the previous semester. An additional charge will be made for all hours above sixteen.

ACADEMIC CLASSIFICATION

Students are classified academically at the beginning of each year. Membership in the sophomore, junior, or senior classes is granted to those students who have earned a minimum of 28, 56, or 84 semester hours credit respectively.

All entrance deficiencies must be removed before the academic status of sophomore is granted.

COUNSELING AND PLACEMENT

Lebanon Valley College recognizes as part of its responsibility to its students the need for providing sound educational, vocational,



and personal counseling. Measures of interest, ability, aptitude, and personality, in addition to other counseling techniques, are utilized in an effort to help each student come to a fuller realization of his capabilities and personality. An important part of the counseling program consists of a series of lectures and discussions conducted as a non-credit orientation course for new students.

Placement services are provided by the College for aiding students in procuring part-time employment while in college and in obtaining positions upon graduation. A current file is maintained which contains information about positions in various companies and institutions, civil service opportunities and examinations, entrance to professional schools, assistantships, and fellowships. Representatives of business, industry, and educational institutions visit the campus annually to interview seniors for prospective employment. A file of credentials and activities of those students availing themselves of the services is available to prospective employers. Graduates may keep their individual files active by reporting additional information to the Director of Industrial Placement.

A Teacher Placement Bureau which assists students in finding positions is maintained.

Records of students' credentials in all areas of student activities are on file.

ADMINISTRATIVE REGULATIONS

The rules of the College are designed to provide for proper regulation of the academic community. The rules and regulations as stated in this bulletin are announcements and in no way serve as a contract between the student and the College. Attendance at the College is a privilege and not a right. The student by his act of registration concedes to the College the right to require his withdrawal any time deemed necessary to safeguard the ideals of scholarship and character, and to secure compliance with regulations. It is expected that the conduct of all campus citizens will conform to accepted standards. All students are required to respond to communications sent by any duly constituted authority of the College.

CLASS ATTENDANCE

Each student is held responsible for knowing and meeting all requirements for each course, including regular class attendance. Because of differences in various disciplines, specific regulations governing class attendance are set by each department, approved by the Dean of the College, and administered by the instructor. At the opening of each course the instructor will clearly inform the students of the regulations on class attendance. Violations of class attendance regulations will make the student liable to being dropped from the course with a failing grade, upon the recommendation of the instructor and with the approval of the Assistant Dean of the College.

Excused absences are granted by the Assistant Dean of the College only for bona fide medical and compelling personal reasons, or for participation in official functions of the College. Students on academic probation are permitted only excused absences.

Excused absences do not absolve the student from the necessity of fulfilling all course requirements.

ACADEMIC DISHONESTY

Instances of open and conclusive academic dishonesty are dealt with in accordance with the following regulations:

For the first offense the faculty member shall have the authority to fail the student in the course.

For the second offense the student shall be failed in the course and additional action taken, up to and including expulsion from college, if deemed warranted by the Dean of the College.

For the third offense, if the second act of dishonesty did not warrant expulsion in the opinion of the Dean of the College, the student shall be punished by failure in the course and expulsion from the College.

CHAPEL-CONVOCATION PROGRAM

A chapel-convocation program is held regularly each week. The weekly programs are augmented by additional events at other times during the semester. From the total of twenty-four programs each full-time student will select not less than twelve to fulfill his attendance requirement for the semester. For each unexcused absence, resulting in less than twelve attendances, one hour will be added to the hours required for graduation.

HAZING

Hazing is strictly prohibited. Any infringement by members of other classes upon the personal rights of freshmen as individuals is interpreted as hazing.

CARS AND STUDENT PARKING

Resident students of the three upper classes may have cars on campus. Resident freshmen students are not permitted to have cars.

All cars owned or operated by Lebanon Valley College students must be registered with the office of the Dean of Men. Violations of established parking regulations will result in fines and may result in suspension or revocation of parking privileges.

TRANSCRIPTS

Each student, former student, or graduate is entitled to one transcript of his college record without charge. For each copy after the first, a fee of one dollar is charged.

REGULATIONS REGARDING ACADEMIC PROBATION, SUSPENSION, DISMISSAL, WITHDRAWAL

A. PROBATION

A student can be placed on academic probation by the Dean of the College or suspended or dismissed if his academic standing fails to come up to the grade-point average shown in the following table:

	Suspension or Probation	dismissal
1st semester.....	1.25	
2nd semester.....	1.50	1.25 cumulative
3rd semester.....	1.65	
4th semester.....	1.75	1.50 cumulative
5th semester.....	1.75	
6th semester.....	1.75	1.65 cumulative
7th & 8th semesters...	1.75	in all courses

A student placed on academic probation is notified of such status by the Dean of the College and informed of the College regulations governing probationers. Students on probation are required to regulate their work and their times so as to make a most determined effort to bring their work up to the required standard.



When a student is placed on academic probation, faculty and parents are notified by the Dean of the College. The Dean of the College may terminate the period of probation of any student. Usually this occurs at the end of a semester or summer session.

Infraction of the following regulations governing probationers render a student liable to dismissal:

1. No unexcused class absences will be permitted.
2. Any office or activity in any College organization that involves such expenditure of time as to jeopardize the successful pursuit of academic work must be relinquished.

B. SUSPENSION

1. A student who obviously fails to achieve at a level commensurate with his measured ability may be suspended for at least one semester.

2. A student suspended for academic reasons is not eligible for reinstatement for at least one semester, preferably two.

3. A student seeking reinstatement to Lebanon Valley College must apply in writing to the Dean of the College.

4. Students suspended for academic reasons are not permitted to register for work in the auxiliary schools except for the most compelling reasons and then only with the approval of the Assistant Dean of the College.

5. A student may be suspended without a prior period on probation.

C. DISMISSAL

A student dismissed for academic reasons is not eligible for readmission.

D. WITHDRAWAL FROM COLLEGE AND READMISSION

Official withdrawal from the College is accomplished only by the completion of withdrawal forms obtained in the office of the Assistant Dean of the College and Registrar. This is the sole responsibility of the student.

Application for readmission will be considered only if the formal withdrawal procedure has been followed at the time of withdrawal.

Student Activities



THE RELIGIOUS LIFE

Lebanon Valley College was founded as a Christian college and continues to be dedicated to its faith. All students are invited and urged to participate in some phase of religious activity.

THE CHAPEL-CONVOCATION PROGRAM

A series of twenty-four programs is held each semester from which each student selects a minimum of twelve to fulfill attendance requirements. These programs include chapel services and convocation programs that are held on Wednesday mornings, as well as cultural events selected by the Chapel-Convocation Committee. This committee, with equal representation from administration, faculty, and students, will announce the total chapel-convocation program at the beginning of each semester.

Rationale of Chapel-Convocation Policy

The aims of objectives of Lebanon Valley College as they relate to the chapel-convocation policy and program have been duly published and constantly remind us that this institution was chartered to promote the highest human possibilities. The goals of our chapel-convocation policy and program derive from (1) our conception of the distinctive nature of the liberal arts and (2) the character of the academic community we would consciously shape.

Every aspect of educational activity reflects qualitative concerns or a scale of values. The liberal arts inevitably raise fundamental questions which require honest regard for ultimate values and personal commitments. To insure responsible learning and human concern it is necessary to recognize the value-laden na-

ture of all knowledge. Indeed, the liberal arts are not so much courses of study as they are human attributes or personal qualities which enhance the possibility for rational discrimination, uncoerced decision, and responsible commitment. Chapel services and convocation programs are considered therefore not only an opportunity to focus honest criticism upon our qualitative concerns and scale of values, but they are offered as an integrating experience for the development of the whole person. Thus, we believe an authentic liberal arts experience will engender a sense of mystery, reverence, adoration, and celebration of the Highest. Such an experience can be most profitably exercised and creatively structured in communal worship and convocation programs.

Second, we believe a liberal arts college is a community of learning responsibly committed to humanistic values. But human values are not meaningfully experienced in abstraction or in isolation. Man is truly human only in community and therefore man can be correctly understood only when seen in relation to God and fellow man. As an institution we consciously attempt to shape this community with reference to the values of Jesus Christ which we confess to be our highest norm of truth and goodness; in Him we see authentic humanity as God's intention for all men. This orientation is not in any way an exclusion or bemeaning of non-Christians; rather, such a confession positively requires a good will and sincere openness to all persons. When a college seeks community at its highest and deepest levels through corporate learning and worship it does so for the same reason it provides a library, gymnasium, theatre, or laboratory, namely, opportunity for the highest human development. Of course it is fatuous to assume that every opportunity offered in

college will prove to be an occasion for an enriching experience for every student; but that fact does not excuse the college from the obligation of providing opportunities for experiences considered most essential to the realization of man's highest potential.

In summary, a liberal arts institution may engage in a sort of quasi-education and will fail to serve the whole person if it defaults in its confrontation with qualitative concerns, deflects from commitment to ennobling values, or denies the need for corporate celebration of life's highest good. Granted our conception of the nature of the liberal arts and the particular kind of community we seek to be, provision for corporate worship and convocation programs is integral to our total reason for being a liberal arts community committed to a definite value-orientation, i.e. Christian.

SUNDAY SERVICES

The United Methodist Church and the other churches of the community extend a warm welcome to all college students who wish to attend Sunday worship.

There are seven churches of different denominations in Annville itself. Other parishes of major religious groups not found in Annville are located within a five-mile radius of the College.

PROJECT

PROJECT is the all-campus organization which coordinates the activities of the various denominational religious groups on campus. It also provides programs and activities to fulfill the spiritual needs of the students and promotes the spirit of brotherhood in the college community. Throughout the year the organization sponsors a Big Sister-Little Sister, Big Brother-Little Brother program, faculty firesides where students spend an evening at home with the professors, and all-campus retreats for fun, fellowship, and relaxation. PROJECT also provides special seasonal services, opportunities for weekend work camps, presentations by guest speakers, films, dramas, and other types of programs. All students are welcome to assist in the planning of and to participate in these activities.

DENOMINATIONAL ORGANIZATIONS

It is possible for the different denominations and faiths to organize their students into clubs or other type organizations. Each of these groups in turn elects one of its members to the Executive Board of PROJECT. Because of the newness of this policy the number of organized religious clubs is not yet very large.

RELIGIOUS EMPHASIS WEEK

This is one of the outstanding religious events of the school year. Notable speakers are invited to share their experiences with the student body through classroom lectures, seminars, convocations, and personal interviews.

THE BALMER SHOWERS LECTURESHIP

This annual lectureship was established and endowed by the late Bishop Emeritus J. Balmer Showers, '07, of the Evangelical United Brethren Church. Under the stipulations of the endowment, the lectures are delivered by distinguished scholars of recognized leadership in the areas of Christian faith and theology, biblical archaeology and interpretation, and Christian ethics of the Christian ministry.

RELIGION AND LIFE LECTURESHIPS

The purpose of the Religion and Life Lectureships is to deepen the student's understanding of some of the problems of life and the religious resources that are available to meet such problems. Each semester a Christian leader of national or international reputation is invited to spend a day on campus in order to confer with students and faculty, to conduct seminars, and to address the entire college community.

DELTA TAU CHI

Delta Tau Chi is an organization composed primarily of students who have decided to devote full-time service to church vocations. Membership is open, however, to all students who wish to participate in its activities and subscribe to its purpose. The group holds regularly scheduled meetings, and daily devotion, sends deputations to churches, conducts programs at various hospitals and homes, and enters into other community projects.

CAMPUS ORGANIZATIONS

SOCIAL ORGANIZATIONS

Five organizations endeavor to enrich the social program of the College by sponsoring social activities on the campus and in the community, and by broadening the experience of its members through group action.

Delta Lambda Sigma

Kappa Lambda Nu

Kappa Lambda Sigma

Knights of the Valley

Phi Lambda Sigma

RECOGNITION GROUPS

Students who have achieved scholastic distinction in their academic work or in certain areas are eligible for membership in honorary scholastic societies.

Phi Alpha Epsilon

Beta Beta Beta

Pi Gamma Mu

Psi Chi

HONORARY AND SERVICE ORGANIZATIONS

Six organizations exist to bring recognition to deserving music students and participants in dramatic activities or to function as service organizations on the campus.

Alpha Phi Omega

Alpha Psi Omega

Freshman Orientation Board

Gamma Sigma Sigma

Phi Mu Alpha

Sigma Alpha Iota

PUBLICATIONS

Practical experience in management, writing, and editorial work is available to students through membership on the staffs of the college yearbook and the campus newspaper.

The Quittapahilla

La Vie Collégienne

DEPARTMENTAL CLUBS

Many departmental clubs provide opportunities for students to participate in supplemental department activities. At regular meetings reports on appropriate topics are

presented and discussed. Other activities sponsored by the departmental clubs include lectures by specialists in the club's particular field of interest, educational films, and field trips.

Chemistry: American Chemical Society

Affiliate

Economics: Investment Club

Education: Childhood Education Club,
Student P.S.E.A.

English: Green Blotter Club

Mathematics: Industrial Mathematics Society
Affiliate

Modern Languages: French Club, German
Club, Russian Club

Physics: Physics Club, Student Section of the
American Institute of Physics

Psychology: Psi Chi

Sociology: Sociology Club

DRAMATICS AND MUSIC

An opportunity to develop dramatic and musical talents under qualified leadership is offered to the students of Lebanon Valley College by the following organizations:

All-Girl Band

Chapel Choir

College Chorus

Concert Choir

Guild Student Group (American Guild of
Organists)

Symphonic Band

Symphony Orchestra

Wig and Buckle Club

CULTURAL OPPORTUNITIES

Lebanon Valley College offers cultural programs in the form of the Great Artists Series, concerts by students, faculty members, and musical organizations in the department of music, and lectures sponsored by the various departments of the College. In addition, the neighboring communities of Harrisburg, Hershey, and Lebanon offer concerts, lectures, and other cultural activities throughout the year.

STUDENT GOVERNMENT

Ultimate responsibility for activities on the college campus rests with the faculty and the administration. However, the faculty and the administration have delegated powers and responsibilities to the student governing bodies so that, to a large extent, students govern themselves. The College encourages initiative and self-government as a part of the democratic training offered.

The representative organizations described below were established to function in areas of student government. They are privileged to conduct the affairs of the student body of Lebanon Valley College under their separate responsibilities so as to guide and promote the affairs of the students in accordance with local, state and federal laws and general institutional rules.

STUDENT COUNCIL

The Student Council seeks to foster understanding and cooperation among the students, faculty and administration of Lebanon Valley College. It is the elected group that acts as the central clearing house for all recommendations and grievances, outside the area of responsibility of the Student Senate, which emanate from the student body. The Student Council also coordinates student activities and provides for the financing of those activities. It is composed of fifteen members.

STUDENT SENATE

The Student Senate, composed of twelve elected members, is the student disciplinary body. In addition to rendering decisions concerning student justice and assigning punishments for rule violations, it has the responsibility of establishing social rules and regulations in accordance with the general rules of the College. One of the key concepts that underlies student government is that it is the responsibility and obligation of each student to enforce the rules that have been established by the Student Senate. A Senate Handbook is distributed to all new students at the start of the school year.

STUDENT GOVERNMENT EXECUTIVE COMMITTEE

The highest authority in matters of student government at Lebanon Valley College is the Executive Committee. This group, composed of four students, two administrators, two faculty members, and the President of the College who serves as chairman, has authority to make major policy changes upon recommendation by the Student Senate or Student Council. It acts on matters or appeals referred to it by students, faculty members, administrators, the Student Senate, or the Student Council.

INSTITUTIONAL RULES

1. There shall be no dichotomy between rules for men and rules for women and there shall be unprejudiced equality in all aspects except security measures for women to be determined by the women.
2. Senior students and students twenty-one years of age and older are given preference in applying for permission to live off campus in the event the College is unable to furnish housing, provided preference is also given to students with such qualifications of age and class standing who are not on academic or social probation.
3. The possession and/or use of alcoholic beverages by any one on any property owned by Lebanon Valley College is prohibited.
4. Any interference with the educational or administrative processes of the institution is forbidden.
5. Persons of the opposite sex may visit in an individual's dormitory room only within the limitations as stated in the Student Government Handbook.
6. Gambling is forbidden on the campus.
7. Smoking is prohibited in all College buildings except in residents' rooms and where receptacles are provided.
8. Pets shall not be kept in the dormitories.

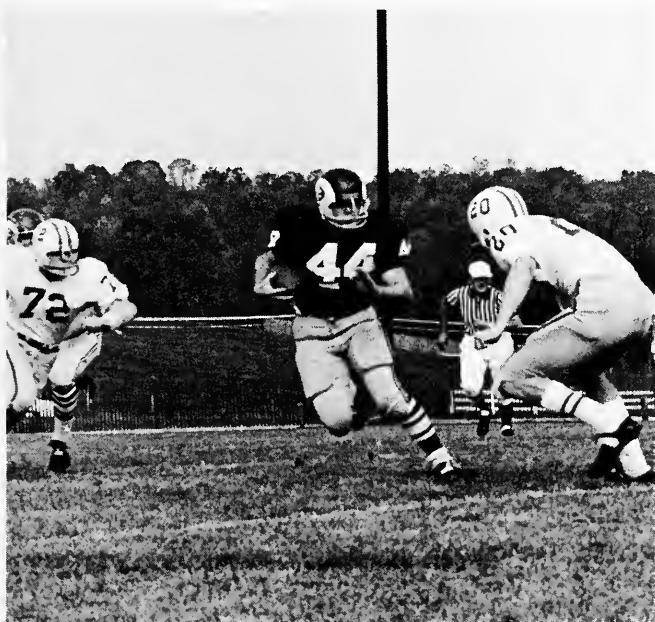
9. Resident freshmen shall be required to stay on campus every weekend except one prior to the Thanksgiving vacation.
10. Freshmen resident students are not permitted to have or drive motor vehicles in Annville at any time unless accompanied by a parent.

ATHLETICS AND RECREATION

Lebanon Valley College maintains a full program of intramural and intercollegiate athletic activities. Intramural leagues and tournaments are conducted in the various sports for men, while the women acquire points toward individual awards by participation in the women's intramural program.

The College participates in eight intercollegiate sports for men (baseball, basketball, cross-country, football, golf, lacrosse, track, wrestling) and two for women (basketball and hockey). There are two athletic organizations on the campus, the LV Varsity Club for men and the Women's Athletic Association.

Lebanon Valley College is a member of the following national and regional athletic associations: National Collegiate Athletic Association, Middle Atlantic States Collegiate Athletic Conference, Eastern Collegiate Athletic Conference, and Central Pennsylvania Field Hockey Association.



AIMS AND OBJECTIVES OF INTERCOLLEGiate ATHLETICS

Lebanon Valley College supports its intercollegiate athletics program because it offers its students an opportunity to participate in activities that afford an outlet for competitive spirit and vitality, while further providing each student with an opportunity to develop, understand and appreciate the values of teamwork, pride, morale, dedication, physical fitness and school spirit.

Courses of Study



GENERAL INFORMATION

COURSE NUMBERING SYSTEM

The course numbering system at Lebanon Valley changes from one employing two digits to one of three digits in September of 1972. The old, two-digit, number appears in this catalog in parentheses after the new, three-digit, number; a dash in parentheses after the course number indicates that the course is new or that it did not have a number last year. Persons who may need to refer to old numbers after the 1972-1973 academic year are urged to retain this catalog because subsequent issues will not contain the two-digit numbers.

The first digit of the three-digit system indicates the academic year in which the course is normally taken. Thus, a course is normally taken in the senior year if the first digit is 4, in the junior year if it is 3, in the sophomore year if it is 2, and in the freshman year if it is 1. (A first digit of 1 may also indicate that the course may be taken by freshmen even though it is usually taken by sophomores, juniors or seniors.) A first digit of 5 is employed for courses in private music instruction, independent study courses, and courses for departmental honors. Course numbers for music organization have 6 as a first digit. The same number is used each time a student enrolls in a course whose first digit is 5 or 6.

A course is offered in the first semester if the third digit is an odd number, in the second semester if the third digit is an even number. A course with 0 as a third digit is offered in both semesters.

A comma separating the numbers of two courses with a common title indicates that the first course (offered in the first semester) is a prerequisite to the second course (offered in the second semester). A slash (/) separating the numbers of two courses with a common title indicates that the first course is *not* a prerequisite for the second course.

A course is offered every year if an academic year is not indicated.

COURSE CREDIT

Semester hours of credit, class hours per week, and laboratory hours per week are indicated by three numbers at the end of the line containing the course number and title. For example, "4:3:3" for Biology 201 means four semester hours of credit, three classroom hours per week, and three laboratory hours per week.





ART

Instructor Iskowitz; Adjunct Assistant Professor Batchelor

110 (12). Introduction to Art.

3:3:0. Either semester.

Students are introduced to various visual forms which are analyzed in an attempt to understand the nature of art through structure, the characteristics of media, and content. The importance of shaping individual perception is stressed in order to show how the observer plays an active role in his appreciation of a work of art. In the lectures, problems using old and new techniques are explained as well as the various media of the visual arts.

Prerequisite to other art courses.

140 (14). Studio Drawing and Painting.

3:3:0. Either semester.

Problems are offered which provide maximum opportunity for the development of the creative capacity of the individual. An exploration of the inherent qualities of various media, techniques, and tools is undertaken through active involvement in studio. Introduction to print-making, especially etching and woodcutting, is offered. The staff reserves the right to select one example of each student's work for a permanent collection.

Prerequisite: Art 110.

201 (21a). Art History I, Pre-history through the Middle Ages.

3:3:0. First semester.

Representative examples in painting, sculpture, architecture, and pottery of the major cultures of successive historic periods are considered. Stress is given to the interaction of factors influencing the various forms of visual expressions. Lectures, discussions, visual aids, and assignments of breadth are employed to encourage individual research in the area of developing interest.

Prerequisite: Art 110.

202 (21b). Art History II, Renaissance to Twentieth Century.

3:3:0. Second semester.

Study of the major forms of the visual arts representative of the Renaissance and succeeding centuries as expressed both by the individual and major schools. These viewed in terms of degree of reflection of the social, ideological, and economic foci of the period. Lecture, discussion, visual aids, supplementary assignments.

Prerequisite: Art 110.

401 (32). Art in the Elementary School.

3:2:2. First semester.

Survey of theories of art education and of programs of creative process activities adaptive to the various levels of maturation at the elementary level. Studio experience employing a variety of media and techniques is offered to give experience and understanding to the problems involved. Practical knowledge of process, sources of supply, approaches to display, and trends in evaluation of process are presented through lecture, discussion, demonstration, visual aids, supplementary reading.

Prerequisite: Art 110.



BIOLOGY

Assistant Professor Wolf, Chairman; Assistant Professors Argot, Bollinger, Gring, and Wolfe

The work outlined in the following courses in biology is intended to develop an appreciation of man's relation to his universe, to acquaint students with those fundamental concepts necessary for the proper interpretation of the phenomena manifested by the living things with which they are surrounded, and to lay a foundation for specialization in professional courses in biology.

The courses are designed to prepare students for the work in professional schools, schools for medical technologists, hospital schools for training of nurses, for graduate work in colleges and universities, for teaching the biological sciences in high schools, and for assistantships in university and experiment station laboratories in the departments of agriculture and other government agencies.

Major: Biology 111, 112, 201, 202, 411 or 412 and twelve additional hours in Biology; Chemistry 111, 112, 211, 212; Physics 103 and 104 or 111 and 112; and Math 161.

101, 102 (14). Introduction to Biology I, II.

3:2:2 per semester.

This course, designed for the *non-science major*, places emphasis on the mastery of certain biological principles which are inherent in living material. These principles are then applied to specific organisms with special stress placed on the study of human biology.

The laboratory includes exercises in botany, genetics, ecology, anatomy, and physiology.

111, 112 (18). General Biology I, II.

4:3:4 per semester.

An attempt is made to familiarize the student with some of the basic concepts of the physical sciences necessary for the understanding of modern biology. Basic biological principles are stressed as related to the major subdivisions of the biological sciences. This course or its equivalent is prerequisite to all other courses in the department.

Prerequisites or corequisites: Chemistry 111, 112.

201 (22). Genetics.

4:3:3. First semester.

The central theme of this course is the mastery of the universal properties of the mechanism of heredity. The laboratory stresses the demonstration of the key concepts of heredity utilizing both a classical and a molecular approach.

202 (32). Animal Physiology.

4:2:4. Second semester.

A study of the various tissues, organs, and systems of animals considered from a functional point of view.

- 301 (21). Microbiology.** 4:2:4. First semester.
A basic study of the morphology, physiology, and biochemistry of representative micro-organisms.
- 302 (28). Botany.** 4:2:4. Second semester.
The course is designed to deal with the broader aspects of plants, emphasizing a study of the taxonomic, ecological, evolutionary and pathological principles. Consideration will be given to the local flora, with emphasis being placed on those features which indicate relationships of the various families.
- 303 (29). Biology of the Chordates.** 4:2:4. First semester.
The anatomy of the chordates is studied from a comparative viewpoint with particular attention given to the correlation of structure to living conditions. Laboratory work involves dissection and demonstration of representative chordates.
- 304 (30). Comparative Histology and Microtechnique.** 4:2:4. Second semester.
Microscopic anatomy of invertebrate and vertebrate tissues illustrating basic tissue similarities and specialization in relation to function. The laboratory work includes the preparation of slides utilizing routine histological and histochemical techniques.
- 305 (31). Developmental Biology.** 4:2:4. First semester.
The study of basic descriptive phenomena in the development of typical invertebrate and vertebrate embryos will be extended into consideration of modern embryological problems.
- 307 (34). Plant Physiology.** 4:2:4. First semester.
This course acquaints the student with the various functions of parts of plants. It includes lectures and experimental work on the processes of photosynthesis, nutrition, respiration, growth, the role of hormones, digestion, absorption, etc.
- 401 (45). Cell Physiology.** 4:2:4. First semester.
A molecular approach to the study of the organization and function of the cell.
For senior or junior majors who have completed at least two years of chemistry, or by permission of the instructor.
- 402 (35). Invertebrate Zoology.** 4:2:4. Second semester.
Through the use of a systemic approach, the morphology and physiology of representatives of most of the invertebrate phyla are studied. This approach centers around the following areas: movement, metabolism, information and control, reproduction, and associations between animals.
- 404 (41). Ecology.** 4:2:4. Second semester.
The fundamental concepts of ecology are examined with emphasis placed on the interaction between organisms and their biological and physical environment in selected ecosystems — freshwater, marine, and terrestrial. Field trips will be taken to selected areas. Laboratory work will be conducted on problems associated with various types of ecosystems.
Prerequisites: Two semesters of biology beyond Biology 112 or permission of the instructors.
- 411/412 (40.1). Biology Seminar I, II.** 1:1:0 per semester.
Readings, discussions, and reports on special topics in biology.
- 451/452 (44). Special Problems I, II.** 1-3 hours credit per semester.
Limited to students majoring in biology who have had ample courses in the department and whose records indicate that they can be encouraged to take part in research or can work independently on research problems in which they have a special interest.
It is also for those who have had most of the courses required for their major but who may have a special need for experience in fields not listed in the course offerings of the department. Students interested in a course in marine biology should elect Biology 451/452 in their senior year.
Prerequisite: Permission of staff.



CHEMISTRY

Professor Neidig, Chairman; Professor Lockwood; Assistant Professors Bailey, Griffiths, Lyndrup and Spencer; Instructor Bell

The aims of the department are: (1) to provide students majoring in chemistry rigorous training in the principles and applications of modern chemistry; (2) to provide students interested in the teaching profession an opportunity to become acquainted with the teaching of science; and (3) to offer students interested in advanced study or in industrial employment professional training in chemistry.

Major: Chemistry 111, 112, 211, 212, 311, 312, 313, 314, 315, 316, 317, 318, and 4 hours of 500.

B.S. in Chemistry (certified by the American Chemical Society): Chemistry 111, 112, 211, 212, 311, 312, 313, 314, 315, 316, 317, 318, 411, 412, 413, 414 and 4 hours of 500.

For outline of program leading to the degree of B.S. in Chemistry, see pages 100-101.

DEPARTMENTAL HONORS

Juniors and seniors may participate in the departmental honors program if they have demonstrated a high scholastic ability and proficiency in both experimental and theoretical chemistry. To be recommended for departmental honors, a student is required: (1) to submit a thesis based on extensive laboratory investigation of an original problem; and (2) to defend the thesis before an appropriate examining committee.

111, 112 (13). Principles of Chemistry I, II. 4:3:3 per semester.

A systematic study of the fundamental principles and concepts of chemistry.

211 (25). Reaction Kinetics and Chemical Equilibria. 4:3:4. First semester.

An investigation of chemical systems involving a study of reaction kinetics and equilibria, emphasizing the reaction of ionic substances and using modern analytical methods.

Prerequisite: Chemistry 112 or demonstrated equivalent background.

212 (24). Chemistry of the Covalent Bond. 4:3:4. Second semester.

The presentation of the structure and chemistry of covalent compounds including thermodynamic and kinetic considerations.

Prerequisite: Chemistry 211.

311, 312 (36). Physical Chemistry I, II. 3:3:0 per semester.

A course in the physical theories of matter and their applications to systems of variable composition.

Prerequisites: Chemistry 211 and Mathematics 162.

313 (37). Organic Chemistry. 3:3:0. First semester.

A study of the preparation, properties, and uses of the aliphatic and aromatic compounds with emphasis on the principles and reaction mechanisms describing their behavior.

Prerequisite: Chemistry 212.

314 (38). Instrumental Analysis.	3:3:0. Second semester.
A consideration of the use of instrumental analytical methods including spectrophotometric, electroanalytical, coulometry, and polarography.	
Prerequisite: Chemistry 311.	
Corequisite: Chemistry 312.	
315, 316 (39). Laboratory Investigations I, II.	1:0:4 per semester.
Use of instrumental techniques for investigating chemical systems.	
Prerequisite: Chemistry 212.	
Corequisites: Chemistry 311, 312.	
317 (30.2). Laboratory Investigations III.	2:0:8. First semester.
Investigations of methods of synthesis and analysis of organic compounds including some physical-organic studies.	
Prerequisite: Chemistry 212.	
318 (30.1). Laboratory Investigations IV.	2:0:8. Second semester.
Physical-chemical investigations of chemical systems.	
Prerequisite: Chemistry 311.	
Corequisite: Chemistry 312.	
411, 412 (47). Advanced Inorganic Chemistry I, II.	3:3:0 per semester.
An advanced course applying theoretical principles to the understanding of the descriptive chemistry of the elements.	
Prerequisites: Chemistry 312 and Physics 112.	
413 (45). Advanced Analytical Chemistry.	3:3:0. First semester.
A study of advanced topics in analytical chemistry.	
Prerequisites: Chemistry 312 and Chemistry 314.	
414 (41). Advanced Organic Chemistry.	3:3:0. Second semester.
A consideration of the structure of organic compounds and the mechanisms of homogeneous organic reactions.	
Prerequisites: Chemistry 312 and Chemistry 313.	
421, 422 (43). Biochemistry I, II.	3:3:0 per semester.
A course in the physical and organic aspects of living systems.	
Prerequisites: Chemistry 211, Chemistry 313, and Chemistry 317.	
423, 424 (-). Laboratory Investigations V, VI.	1:0:4 per semester.
Investigations of the properties of proteins, nucleic acids, carbohydrates, and lipids.	
Prerequisites: Chemistry 211, Chemistry 313, and Chemistry 317.	
425 (46). Qualitative Organic Analysis.	2:0:8. First semester.
Presentation of the principles and methods of organic analysis.	
Prerequisite: Chemistry 313.	
426 (48). Advanced Physical Chemistry.	3:3:0. Second semester.
A presentation of advanced topics in chemistry from such areas as quantum mechanics, thermodynamics, and kinetics.	
Prerequisite: Chemistry 312.	
500 (44). Independent Study.	2:1:4 per semester. (Maximum of 8 hours credit.)
Intensive library and laboratory study of topics of special interest to advanced students in the major areas of chemistry. For students preparing for secondary school teaching, the emphasis is placed on methods of teaching chemistry.	
Prerequisites: Chemistry 311, 312, and the consent of the chairman of the department.	
510 (44). Departmental Honors.	3:1:8 per semester. (Maximum of 9 hours credit.)
See information on page 49.	
COMPUTER PROGRAMMING	
<i>Assistant Professor Horgan</i>	
110 (1). BASIC Computer Language.	0:1:0. Either semester.
Introduction to the BASIC Language.	



ECONOMICS AND BUSINESS ADMINISTRATION

Professor Tom, Chairman; Assistant Professors Lee, Peterke, and Rice

The aim of Lebanon Valley College is to give its students the opportunity to procure a liberal education of the highest quality. Thus within this general objective of the College, the program of study in economics and business administration at Lebanon Valley College is designed to provide for its own major:

1. A broad and liberal education so that graduates of this department will play a more active role in our changing world of ideas and actions; and
2. A sound and integrated knowledge of the essential principles and problems of economics and business administration.

Major: Economics 110, 120, 201, 202, 301, 490; Business Administration 151, 352, and 6 additional hours as approved by the advisor.

For an outline of the suggested program in economics and business administration, see pages 102-103.

Economics 110 and 120 are prerequisites for all courses in this department of a higher number except Business Administration 151, 152, 371, and 372.

DEPARTMENTAL HONORS

The purpose of the departmental honors program is to provide opportunity for capable students to undertake advanced academic work independently under the supervision of one or more members of the department.

In order to participate in the departmental honors program, the applicant is required to:

1. demonstrate in his academic work the caliber of scholarship required to undertake extensive research projects,
2. apply for and receive permission for such participation from the departmental chairman and from the Dean of the College no later than the end of the first semester of the junior year,
3. obtain departmental approval of a research project,
4. prepare a paper on the research project under the guidance of one or more staff members of the department,

5. submit the paper in March of the senior year, and
6. present and defend the paper before a faculty committee selected by the departmental chairman and the Dean of the College.

On the basis of the student's performance in this program, the departmental chairman and the Dean of the College will determine whether or not the student will be graduated with departmental honors.

ECONOMICS

110 (20a). Principles of Economics I.	3:3:0. Either semester.
An introductory study in economic principles and the American economy with emphasis on the elementary concepts of national income, price level, business fluctuations, banking activities, money supply and economic growth.	
120 (20b). Principles of Economics II.	3:3:0. Either semester.
An introductory study in economic principles and the American economy with emphasis on the elementary concepts of consumption function, production function, product pricing, factor pricing, resource allocation, labor economics, public finance, and international economics.	
201 (40.2). Microeconomic Analysis.	3:3:0. First semester.
Theories of demand, production, price, and resource allocation.	
202 (40.4). Macroeconomic Analysis.	3:3:0. Second semester.
Theoretical and empirical study of national income and business cycles.	
301 (48). Labor Economics.	3:3:0. First semester.
Analysis of the American labor movement; theories, history, structure, and functions of unionism; individual and collective bargaining policies and practices; labor legislation; grievances; arbitration.	
311 (36). Money and Banking.	3:3:0. First semester.
Nature and functions of money and credit. Development and role of commercial banking and central banking. Structure and functions of the Federal Reserve System. Monetary and banking theory, policy, and practice. Influence on prices, level of income and employment, and economic stability and progress.	
322 (37). Public Finance.	3:3:0. Second semester.
Revenues and expenditures and economic functioning of the federal, state, and local governments; principles of taxation—shifting, incidence, and burden; influence on incentives, income distribution, and resource allocation; economic and social aspects of public spending; budgetary control and debt management; fiscal policy and economic stability.	
332 (38). International Economics.	3:3:0. Second semester.
A study of theories of trade; capital movement; mechanism for attaining equilibrium; economic policies such as tariff, quota, monetary standards and exchange, state trading, cartel, and other economic agreements; the International Monetary Fund and the International Bank for Reconstruction and Development.	
401 (40.1). History of Economic Thought.	3:3:0. First semester.
The evolution of economic thought through the principal schools from mercantilism to the present. Attention will be given to the analysis of the various theories of value, wages, interest, rent, profit, price level, business cycles, and employment, and to the influences of earlier economic ideas upon current thinking and policy-making.	
411 (41). Economic Growth.	3:3:0. First semester.
Theoretical and empirical study of economic development.	

422 (46). Econometrics.	3:3:0. Second semester. An introductory application of mathematical concepts and statistical methods to economic theories and policies.
490 (40.3). Seminar and Special Problems.	3:3:0. Either semester. Independent study and research in economics, business administration, or accounting under the direction and supervision of the departmental staff.
510 (I.S.). Departmental Honors.	1-3 hours credit. Either semester. (Maximum of 9 hours credit.) Open to majors in economics and business administration who are qualified for the departmental honors program. See information on pages 51-52.

BUSINESS ADMINISTRATION

151, 152 (23). Principles of Accounting I, II.	4:3:2 per semester. Accounting principles and their application in service, trading, and manufacturing business operating as single proprietorships, partnerships, and corporations. Topics studied include: the accounting cycle—journalizing, posting, worksheet, financial statements, adjusting, closing; basic partnership problems—formation, distribution of profits, dissolution; corporation and manufacturing accounting; basic problems of depreciation, depletion, valuation; introduction to analysis, interpretation, and use of financial statements.
	Accounting, a language of business, provides a tool to implement work in other fields of business administration.

251 (30). Intermediate Accounting.	3:3:0. First semester. Offered 1972-1973. Intensively covers valuation accounting relating to working capital items—cash, temporary investments, receivables, inventories, current liabilities; non-current items—investments, plant and equipment, intangible assets and deferred charges, and long-term liabilities; and corporate capital. Includes nature of income, cost, and expense; statement of source and application of funds; and statement preparation and analysis. Attention is given to relevant official pronouncements in accounting. CPA examination accounting theory questions are utilized.
	Prerequisite: Business Administration 152.

252 (31). Advanced Accounting.	3:3:0. Second semester. Offered 1972-1973. Accounting for joint ventures; special sales procedures—installment, consignment, agency and branch; parent and subsidiary accounting—consolidations and mergers; fiduciary and budgetary accounting—statement of affairs, receivership, estates and trusts, governmental accounting; foreign exchange; insurance; actuarial science and applications. Attention is given to relevant official pronouncements in accounting. CPA examination accounting problems are utilized.
	Prerequisite: Business Administration 251.

352 (35). Marketing.	3:3:0. Second semester. As a branch of applied economics, this course deals with (1) the application of economic theory in the distribution of economic goods on the manufacturers' and wholesalers' level; (2) the methods of analysis on the product, the consumer, and the company, and (3) the administrative decisions on product planning, distribution channels, promotional activities, sales management, and price policy. To bridge the gap between the understanding and the application of marketing principles, students are required to prepare and discuss a number of cases pertaining to some specific areas of marketing.
361 (44). Corporation Finance.	3:3:0. First semester.

361 (44). Corporation Finance.	3:3:0. First semester. A study of organizing a business, financing permanent and working capital needs, managing income and surplus, expanding through internal growth and combination, recapitalization and reorganization. Forms of business organization; charter and by-laws; directors, officers, and stockholders; stocks and bonds; dividend policy; concentration and anti-trust legislation.
	Prerequisite: Business Administration 152.

- 362 (45). Investments and Statement Analysis.** 3:3:0. Second semester. Development and role of investment and its relation to other economic, legal, and social institutions. Investment principles, media, machinery, policy, and management are discussed. Financial statement analysis is stressed and designed for preparation as Certified Public Accountants and/or Chartered Financial Analysts.
- 371/372 (32a-32b). Business Law I, II.** 3:3:0 per semester. Offered 1972-1973. Elementary principles of law generally related to the field of business including contracts, agency, sales, bailments, insurance, and negotiable instruments.
- 451 (43). Cost Accounting.** 3:3:0. First semester. Offered 1972-1973. Industrial accounting from the viewpoint of material, labor, and overhead costs; the analysis of actual costs for control purposes and for determination of unit product costs; assembling and presentation of cost data; selected problems.
Prerequisite: Business Administration 152.
- 452 (42). Income Tax Accounting.** 3:3:0. Second semester. Offered 1973-1974. Analysis of the federal income tax law and its applications to individuals, partnerships, fiduciaries, corporations; case problems; preparation of returns.
Prerequisite: Business Administration 152, or consent of instructor.
- 461 (40.5). Auditing.** 3:3:0. First semester. Offered 1973-1974. Study and appraisal of current auditing standards and related literature.
Prerequisite: Business Administration 152.
- 471 (49). Industrial Management and Personnel Administration.** 3:3:0. First semester. Offered 1973-1974. Principles of decision making in business management. Personnel policies and practices.





EDUCATION

Professor Ebersole, Chairman; Associate Professors Herr and Weast; Assistant Professors Kerr and Petrofes

The aim of the department of education is to acquaint students with the art of teaching and to develop in each prospective teacher a full realization of his responsibilities in this profession.

For a statement of requirements for those planning to enter the teaching profession, see pages 104-105 and 110-111.

ELEMENTARY EDUCATION

Major: Elementary Education 220, 270, 332, 341, 361/362, 344, 440, 444; Art 401; Geography 111/112; Psychology 221.

DEPARTMENTAL HONORS

The departmental honors program in elementary education permits the capable student to increase the depth of his understanding in an area of special interest and the general scope of his knowledge of elementary education. It is planned as an integral part of the student's major program rather than work superimposed upon it.

A student majoring in elementary education may participate in the departmental honors program when he completes the freshman-sophomore college honors program or when he demonstrates in his academic work the caliber of scholarship required to undertake an extensive research project. He must also have achieved a 3.3 grade-point average in departmental courses and a 3.0 grade-point average in all college courses. Application is made in writing to the chairman of the department not later than the end of the first semester of the junior year. Approval of the application must be given by the Dean of the College upon recommendation by the department staff.

A maximum of nine credit hours may be earned in this program. These hours will be distributed over the junior and senior years with a minimum of one and a maximum of three hours to be taken in one semester. This must include participation in the Senior Seminar (1) Elementary Education 444, which is required of all students majoring in elementary education. The student will investigate an area of special

interest beginning with the study of the literature and culminating in the design and execution of an approved experimental or theoretical research project. He will submit to the departmental chairman periodic progress reports and any other indication of performance that may be required by the department. The project should be completed by March of the senior year, at which time the student will report and defend the findings of the project in a manner to be determined by the departmental staff.

Graduation with departmental honors in elementary education will depend on the quality of performance in the research project, the maintenance of the grade-point averages required for admission to the program, success in the comprehensive student-teaching program, and the final approval of the departmental staff and the Dean of the College.

EDUCATION COURSES For Both Elementary and Secondary Education

110 (20). Social Foundations of Education.

3:3:0. Either semester.

A study is made of the history of education correlated with a survey of the principles and theories of noted educational leaders. Emphasis is placed on the influence these leaders and their followers have had on school and society.

Required for elementary and secondary certification.

331 (30). Educational Measurements.

3:3:0. First semester.

A study of the principles of validity and reliability, appraisal and construction of test items and consideration of the uses of test results.

Recommended elective in elementary and secondary fields.

Prerequisite: Psychology 110.

345 (45). Visual and Sensory Techniques.

3:3:0. First semester.

Psychological bases for sensory aids; study and appraisal of various aids; use of apparatus; sources of equipment and supplies.

Recommended elective in elementary and secondary fields. Open only to juniors and seniors preparing to teach or enter the ministry.

Prerequisites: Education 110; Psychology 110.

422 (41). An Introduction to Guidance.

3:3:0. Second semester.

An overview of guidance in the public schools including the history, philosophy and development of programs. Procedures and instruments to be employed by the classroom teacher; creation of conditions for mental health; relation of guidance to other phases of instruction.

Prerequisites: Education 110; Psychology 110.

442 (42). The Education of the Exceptional Child.

3:3:0. Second semester.

A general view of the practices and programs for the education of exceptional children and youth. The study includes children with physical, mental, and emotional handicaps, and gifted children. Observation in special classes, child study, and the survey of curricular materials used in their education are part of the requirements.

Prerequisites: Education 110; Psychology 110.

ELEMENTARY EDUCATION

El. Ed. 220 (22). Music in the Elementary School.

3:3:0. Either semester.

Fundamentals of music, movement to music, study of child voice, materials and methods for the different grades, and a survey of the literature used in the public schools.

El. Ed. 250 (25). Mathematics for the Elementary Grades.

3:3:0. Either semester.

An introduction to the fundamental concepts of mathematics and a survey of the new and old in mathematical disciplines as applied in the elementary school.

El. Ed. 270 (37). Children's Literature. 3:3:0. Either semester.

A study of the literature of childhood, including authors and illustrators. Attention is given to children's reading interests, criteria and aids in selecting materials, a brief survey of the development of children's literature, and the art of storytelling and its place in the curriculum.

El. Ed. 332 (23). The Physical Sciences in the Elementary School. 3:2:2. Second semester.

Recent developments in arithmetic and science and their applications in the classroom; curriculum planning; modern teaching methods; instructional materials; demonstrations and experiments adapted to the elementary classroom.

Prerequisites: Elementary Education 250 and one year of a laboratory science.

El. Ed. 341 (34). Teaching of Reading. 3:3:0. First semester.

A study of the problems and procedures of instruction in the development of basic reading skills. Effective reading programs, courses of study, teaching and learning materials, and research studies in this field are investigated and evaluated.

El. Ed. 344 (43). Health and Safety Education. 3:3:0. Second semester.

The course includes a study of basic health and safety practices and procedures as applied to the elementary school, a program of physical education for elementary school children, an American Red Cross approved program of first aid, and an evaluation of sources and use of materials.

Prerequisites: Education 110; Psychology 220.

El. Ed. 361/362 (36). Communications and Group Processes in the Elementary School I, II.

3:2:2 per semester.

A course dealing with fundamentals for language growth in the areas of oral and written expression, correct usage, spelling, and handwriting. The development of basic concepts related to effective citizenship in a democracy. A variety of learning experiences and materials will be used and evaluated; especially, students will have experience in preparing an individual resource unit.

El. Ed. 440 (40). Student Teaching. Twelve semester hours credit. First semester.

Each student spends an entire semester in a classroom of an area public school under the supervision of a carefully selected cooperating teacher. Open to seniors only. A cumulative grade-point average of 2.0 during the first six semesters in college is required.

Student teaching begins with the opening of the public schools. College residence halls and dining hall are available to the student teachers.

Prerequisites: Education 110; Psychology 220; Elementary Education 270, 332, 341, and 361/362.

El. Ed. 444 (44). Senior Seminar. 3:3:0. Second semester.

The semester gives immediate help with pertinent problems in student teaching. Topics related to over-all success in teaching will be thoroughly dealt with: professional ethics, classroom management, home and school relationships, community responsibilities, professional standards, and other related areas.

El. Ed. 500 (I.S.). Independent Study. 1-3 hours credit. Either semester.
(Maximum of 9 hours credit.)

A course designed for the student who desires to engage in independent study and is not enrolled in the departmental honors program.

El. Ed. 510 (I.S.). Departmental Honors. 1-3 hours credit. Either semester.
(Maximum of 9 hours credit.)

See information on pages 55-56.

SECONDARY EDUCATION

420 (48). Human Growth and Development.

3:7½ :0. Either semester.

This course deals with the practical application of principles of psychology and human learning to secondary school teaching. Such topics as classroom management, inter-personal relations in the school setting, and the psychology of teaching are discussed and studied. Visits are made to the student teacher's assigned school, where he confers with his cooperating teacher and observes the students he will teach.

Required of all seniors in secondary education.

Prerequisite: Education 110.

430 (49). Practicum and Methods.

3:7½ :0. Either semester.

This course is designed to acquaint the students with some basic behaviors in the classroom that will help the prospective teacher in any subject area. A text serves as a source of information about "methods of teaching" and planning. Students work independently on the problems of reading in their particular fields. Visits to the area schools, class presentations by teachers from these schools and the students' video-taped presentations for their own analysis all help to prepare them for the student teaching experience.

This course is required of all seniors in secondary education, except English majors who will take English 431.

Prerequisite: Education 110.

440 (40). Student Teaching.

Nine semester hours credit. Either semester.

Each student spends a minimum of 9 weeks in a classroom at an area school under the supervision of a carefully selected cooperating teacher. Open to seniors only. Requirements are: (1) a cumulative grade-point average of 2.0 during the first six semesters in college, (2) the written recommendation of the major advisor, (3) the approval of the director of secondary student teaching, and (4) the approval of the Dean of the College.

Prerequisites: Education 110, 420; Education 430 or English 431.





ENGLISH

Associate Professor Ford, Chairman; Professor Faber; Professor Emeritus Struble; Assistant Professors Billings, Kearney, Markowicz, O'Donnell, and Woods; Visiting Assistant Professor Field

Major: In addition to the required courses in English Composition (English 111/112), English majors will take English 221/222, 225/226, 227/228, 322/323, 331, 332, and 449. Prospective secondary school teachers will take English 220 and 334; others will take six hours of electives. English 431 replaces Education 430 as a requirement for secondary teachers.

DEPARTMENTAL HONORS

Students who are majoring in English may become candidates for departmental honors if they have a grade-point average of 3.0 in courses in English, and if they receive permission from the chairman of the department and the Dean of the College, ordinarily no later than the end of the first semester of their junior year.

The specific program for each student accepted for the departmental honors program will be worked out by that student in consultation with the chairman of the department, in accordance with the plan for departmental honors adopted by the faculty on May 8, 1961.

INTERN PROGRAM

A senior who has been accepted for departmental honors and who looks forward to a career in college teaching may, upon recommendation of the chairman of the department and appointment by the Dean of the College, become an intern in English, to render such assistance in the duties of the department of English as will in some measure help to prepare him for a professional career in this field. Ordinarily only one intern will be appointed in any one academic year.

111/112 (10a-10b). English Composition I, II.

3:3:0 per semester.

A study, supplemented by practice in writing, of the principles of composition and of the cultural context within which men must communicate effectively.

- 211/212 (11a–11b). Word Study I, II.** 1:1:0 per semester.
 This course has a twofold purpose: (1) to give the student some insight into linguistic processes, particularly as they pertain to the growth of the English vocabulary; and (2) to increase the range of the student's vocabulary, in order that he may have greater mastery over his native tongue. Problems of pronunciation and spelling go hand in hand with vocabulary building.
- 220 (22). Oral Communication.** 3:3:0. Either semester.
 This course is designed to establish basic concepts, understandings, and attitudes concerning the nature and importance of oral communication and to provide experience in speaking and in competent criticism of these activities.
- 221/222 (21a–21b). American Literature I, II.** 3:3:0 per semester.
 First semester: a survey of American literature from the beginnings to the Civil War.
 Second semester: a survey of American literature from the Civil War to the present day.
- 223 (23). Creative Writing.** 3:3:0. First semester.
 The writing of poetry and the writing of fiction in alternate years.
- 225/226 (26a–26b). Survey of English Literature I, II.** 3:3:0 per semester.
 A study of English literature from the beginnings to our own time, viewed in perspective against the background of English life and thought.
 Prerequisites: English 111/112.
- 227/228 (20a–20b). World Literature I, II.** 3:3:0 per semester.
 This course has four principal aims: (1) to familiarize students with some of those masterpieces of Western World literature which are a part of the common heritage of every cultivated mind; (2) to acquaint students with the conventions, techniques, and presuppositions of various types of literature, so that they may be able to deal intelligently with these types when they meet them elsewhere; (3) to provide students with genuinely aesthetic experiences, in the hope that reading and the appreciation of literature will continue to enrich their spirits throughout their lives; and (4) to pass on to them some sense of the underlying values of our cultural system.
- 229 (24). Contemporary Literature.** 3:3:0. First semester.
 A study of selected prose and poetry produced in America and England since World War I.
- 321/322 (30a–30b). Shakespeare I, II.** 3:3:0 per semester.
 A survey of English drama from its beginnings to and including Shakespeare: (a) a study of Shakespeare's history plays and their place in the Elizabethan world, and an analysis of early Shakespearean comedy; (b) a study of Shakespeare's major tragedies, the problem comedies, and the late romantic comedies.
 Prerequisites: English 225/226 or 227/228 or consent of the instructor.
- 331 (31). History of the English Language.** 3:3:0. First semester.
 Historical study of English sounds, grammatical forms, and vocabulary; introduction to structural linguistics; standards of correctness and current usage. This course is primarily intended for those who plan to teach English and is in part a course in methods of teaching.
 Prerequisites: English 225/226 or 227/228 or consent of the instructor.
- 332 (32). Chaucer.** 3:3:0. Second semester.
 Intended to give the student a reasonable familiarity with Chaucer; to provide a detailed picture of medieval life, culture, and thought; and to develop skill in the reading of Middle English.
 Prerequisite: English 331.
- 334 (34). Modern Grammars.** 3:3:0. Second semester.
 A review of traditional grammar and an introduction to recent concepts in grammar resulting from developments in structural linguistics.
 Prerequisite: English 331.

- 335 (36). Seventeenth Century Literature.** 3:3:0. First semester. Offered 1973-1974.
 A study of seventeenth century prose and poetry from the late Elizabethans to John Milton within the context of seventeenth century thought.
- 336 (35). Poetry of the Romantic Movement.** 3:3:0. Second semester.
 A study of the principal poets of the early nineteenth century: Wordsworth, Coleridge, Byron, Shelley, and Keats.
 Prerequisites: English 225/226 or 227/228 or consent of the instructor.
- 337 (38). The Novel.** 3:3:0. First semester. Offered 1973-1974.
 A study of the development of the novel in England from Richardson to Joyce.
- 338 (37). Contemporary Drama.** 3:3:0. Second semester.
 A survey-workshop of Continental, British, and American drama from Ibsen to the present.
 Prerequisites: English 111/112.
- 339 (39). History of the Theater.** 3:3:0. First semester.
 A selection of western and some oriental dramas from Aeschylus to Ibsen presented historically, with attention to theater modes and techniques.
 Prerequisites: English 111/112 or consent of the instructor.
- 341 (40). Eighteenth Century Literature.** 3:3:0. First semester. Offered 1972-1973.
 A survey of the principal English authors from Dryden to Blake.
- 342 (33). Literature of the Victorian Period.** 3:3:0. Second semester.
 Survey of the nineteenth century as seen through the literature and other arts produced from 1830 to 1915.
 Prerequisites: English 225/226 or 227/228 or consent of the instructor.
- 344 (41). Drama Workshop.** 3:3:0. Second semester.
 The elements of theater art oriented toward stage presentation, with classroom practice in production of scenes and whole plays.
 Prerequisite: English 339 or consent of the instructor.
- 431 (48). The Teaching of English in Secondary Schools.** 3:3:0. First semester.
 Concerned primarily with the role of the English teacher in the secondary schools. Attention may be given to the teaching of composition, mechanics, speech, and literary forms. Sessions on recent research in the field of English, resource materials, mass media, and teaching techniques will be included.
- 440 (45). Special Problems.** 3:3:0. Either semester.
 Offered according to interest of students and staff. This course will rotate among faculty members, the content of the course to be determined by the instructor with the advice of the department and consent of the chairman and the Dean of the College.
 Prerequisite: consent of the instructor.
- 449 (49). Seminar in English.** 3:3:0. Second semester.
 A study of the Western tradition of literary criticism and an application of practical critical concepts.
- 500 (I.S.). Independent Study.** 1-3 hours credit. Either semester.
 (Maximum of 9 hours credit.)
 For the student who desires to engage in a project of independent work but is not enrolled in the departmental honors program.
 Prerequisite: consent of the instructor.
- 510 (I.S.). Departmental Honors.** 1-3 hours credit. Either semester.
 (Maximum of 9 hours credit.)

See information on page 59.



FOREIGN LANGUAGES

Professor Piel, Chairman; Associate Professors Damus and Troutman; Assistant Professors Cantrell, Cooper, and Martin; Adjunct Instructors Hansen and Saylor; Teaching Aides Beroud, Rauscher, and Sardi

The immediate aim of this department is to assist the student in acquiring a working knowledge of the language or languages which he chooses to study.

The aim of the courses in modern foreign languages is to enable the student to use the foreign tongue as a means of communication: to hear, speak, and eventually to read and write the language. Through his study of the language and literature, the student gains a deeper understanding and appreciation of the life and thought of the people of the country.

Laboratory practice is required of all students in modern foreign languages except those in German 113 and 114.

Major: A student may elect either a major in one language or a departmental major. The departmental major consists of at least twenty-four hours in one language and at least twelve hours in a second language.

In French, German and Spanish, one advanced literature course is offered each year, in a regular rotation of courses.

DEPARTMENTAL HONORS

Students who are majoring in a foreign language may become candidates for departmental honors if they have a grade-point average of 3.0 in departmental courses, and if they receive permission from the departmental staff and the Dean of the College, ordinarily no later than the end of the first semester of their junior year.

Honors work will involve the selection of a topic for investigation under the guidance of the department advisor, independent reading and study, frequent conferences with the advisor, preparation of a paper to be submitted by March 15 of the senior year, satisfactory defense of the paper before a committee composed of the departmental staff, the Dean of the College, and any other faculty members who may be invited to participate, and finally, an oral examination in the major language. If these requirements are satisfied, the student will be graduated with honors in his major language.

FRENCH

- Major:** Twenty-four hours above the elementary level.
- 101, 102 (1). Elementary French I, II.** 3:3:0 per semester.
A beginning course in French; audio-active technique.
- 111, 112 (10). Intermediate French I, II.** 3:3:0 per semester.
A continuation of French 102 with further practice in conversation, dictation, and in reading and writing. Attention is given to the cultural and historical background of the literature that is read.
Prerequisite: French 102 or two years of secondary school French.
- *115, 116 (15). Introduction to French Literature I, II.** 3:3:0 per semester.
A general language review with intensive practice in the four basic language skills through a study of selected literary works in their cultural and historic contexts.
Prerequisite: Four years of secondary school language or three years for specially qualified students.
- 221/222 (20). French Literature of the Sixteenth and Seventeenth Centuries I, II.** 3:3:0 per semester. Offered 1972-1973.
A survey of the literary history of the Renaissance and of classicism in France.
- 331/332 (30). French Literature of the Eighteenth and Nineteenth Centuries I, II.** 3:3:0 per semester. Offered 1973-1974.
A study of the outstanding works of the Age of Enlightenment and of the Romantic, Realist, and Naturalist Schools of French literature.
- 441/442 (40). French Literature of the Twentieth Century I, II.** 3:3:0 per semester. Offered 1974-1975.
A study of modern French literature with extensive reading of the works of the outstanding authors.
- 445/446 (45). Seminar I, II.** 1-3 hours credit per semester.
This seminar is designed to supplement and integrate the student's knowledge, to stimulate individual study and research, and to prepare him for future work in his field. The course content varies according to the needs of the group involved. For those students who are planning to teach, the seminar will provide instruction in teaching methods.
- 500 (I.S.). Independent Study.** 1-3 hours credit. Either semester.
(Maximum of 9 hours credit.)
This course is designed for the student who wishes to engage in independent study and is not enrolled in the departmental honors program.
- 510 (I.S.). Departmental Honors.** 1-3 hours credit. Either semester.
(Maximum of 9 hours credit.)
See information on page 62.

GERMAN

- Major:** Twenty-four hours above the elementary level.
- 101, 102 (1). Elementary German I, II.** 3:3:0 per semester.
A beginning course in German; audio-active technique.
- 111, 112 (10). Intermediate German I, II.** 3:3:0 per semester.
A continuation of German 102 with practice in conversation, dictation, reading and writing. Emphasis is given to the cultural and historical background of the literature that is read.
Prerequisite: German 102 or two years of secondary school German.

* Note: Successful completion of the first semester will satisfy the language requirement for graduation and successful completion of the second semester will provide three credits toward distribution requirements in humanities.

113, 114 (11). Scientific German I, II.	3:3:0 per semester.
Practice in reading scientific and technical German with emphasis on vocabulary and the special difficulties inherent in this type of writing. General readings followed by readings in the student's major field.	
*115, 116 (15). Introduction to German Literature I, II.	3:3:0 per semester.
A general language review with intensive practice in the four basic language skills through a study of selected literary works in their cultural and historic contexts.	
Prerequisite: Four years of secondary school language or three years for specially qualified students.	
221/222 (22). The Classical Period I, II.	3:3:0 per semester. Offered 1972-1973.
Background of the Classical Period; detailed study of the period; readings from the works of Lessing, Goethe and Schiller.	
331/332 (32). German Literature of the Nineteenth Century I, II.	3:3:0 per semester. Offered in 1973-1974.
Romanticism; Realism.	
441/442 (42). German Literature of the Twentieth Century I, II.	3:3:0 per semester. Offered 1974-1975.
A study of contemporary German literature with extensive reading of the works of the outstanding authors.	
445/446 (45). Seminar I, II.	1-3 credit hours per semester.
This seminar is designed to supplement and integrate the student's knowledge, to stimulate individual study and research, and to prepare him for future work in his field. The course content varies according to the needs of the group involved. For those students who are planning to teach, the seminar will provide instruction in teaching methods.	
500 (I.S.). Independent Study.	1-3 hours credit. Either semester. (Maximum of 9 hours credit.)
This course is designed for the student who wishes to engage in independent study and is not enrolled in the departmental honors program.	
510 (I.S.). Departmental Honors.	1-3 hours credit. Either semester. (Maximum of 9 hours credit.)
See information on page 62.	

GREEK

101, 102 (1). Elementary Greek I, II.	3:3:0 per semester. Offered 1973-1974.
An intensive course in the basic elements of ancient Greek. A study of forms and syntax, with easy prose composition.	
211, 212 (10a-10b). Intermediate Greek I, II.	3:3:0 per semester. Offered 1972-1973.
First semester: readings from the New Testament Gospels.	
Second semester: readings from Xenophon's <i>Anabasis</i> . A review of grammar throughout the year.	
Prerequisite: Greek 102.	
321 (20). Readings from the Book of Acts.	3:3:0. First semester. Offered 1973-1974.
Prerequisite: Greek 212.	
322 (21). Readings in Hellenistic Greek.	3:3:0. Second semester. Offered 1973-1974.
Selections from the <i>Septuagint</i> , the Greek church fathers.	
Prerequisite: Greek 212.	

* Note: Successful completion of the first semester will satisfy the language requirement for graduation and successful completion of the second semester will provide three credits toward distribution requirements in humanities.

431 (30). Readings from the Epistles of Paul. 3:3:0. First semester. Offered 1974-1975.
Prerequisite: Greek 212.

432 (31). Readings from the Greek Philosophers. 3:3:0. Second semester. Offered 1974-1975.
Prerequisite: Greek 212.

RUSSIAN

101, 102 (1). Elementary Russian I, II. 3:3:0 per semester.
An elementary course with oral-aural approach.

111, 112 (10). Intermediate Russian I, II. 3:3:0 per semester.
An intermediate course in Russian with continued conversational practice; reading and writing.
Prerequisite: Russian 102 or two years of secondary school Russian.

SPANISH

Major: Twenty-four hours above the elementary level.

101, 102 (1). Elementary Spanish I, II. 3:3:0 per semester.
A beginning course in Spanish; audio-active technique.

111, 112 (10). Intermediate Spanish I, II. 3:3:0 per semester.
A continuation of Spanish 102 with further practice in conversation, dictation, and in reading and writing. Attention is given to Spanish literature in its cultural and historical context.
Prerequisite: Spanish 102 or two years of secondary school Spanish.

***115, 116 (15). Introduction to Spanish Literature I, II.** 3:3:0 per semester.
A general language review with intensive practice in the four basic language skills through a study of selected literary works in their cultural and historic contexts.

Prerequisite: Four years of secondary school language or three years for specially qualified students.

221/222 (22). Spanish Literature of the Sixteenth and Seventeenth Centuries I, II. 3:3:0 per semester. Offered 1974-1975.
Reading of outstanding authors of the sixteenth and seventeenth centuries, with emphasis upon Cervantes, Lope de Vega, and Calderon. Composition and conversation.

331/332 (32). Spanish Literature from the Eighteenth to the Twentieth Centuries I, II. 3:3:0 per semester. Offered 1972-1973.
Extensive reading, composition and conversation.

441/442 (42). A Survey of Spanish-American Literature I, II. 3:3:0 per semester. Offered 1973-1974.
A survey of Spanish-American literature with extensive readings of representative authors, with emphasis on the development of the Spanish-American novel and short story.

445/446 (45). Seminar I, II. 1-3 hours credits per semester.
This seminar is designed to supplement and integrate the student's knowledge, to stimulate individual study and research, and to prepare him for future work in his field. The course content varies according to the needs of the group involved. For those students who are planning to teach, the seminar will provide instruction in teaching methods.

* Note: Successful completion of the first semester will satisfy the language requirement for graduation and successful completion of the second semester will provide three credits toward distribution requirements in humanities.

500 (I.S.). Independent Study.

1-3 hours credit. Either semester.
(Maximum of 9 hours credit.)

This course is designed for the student who wishes to engage in independent study and who is not enrolled in the departmental honors program.

510 (I.S.). Departmental Honors.

1-3 hours credit. Either semester.
(Maximum of 9 hours credit.)

See information on page 62.

GEOGRAPHY

Mr. Kerr

111/112 (10a-10b). World Geography I, II.

3:3:0 per semester.

A basic course in geography to develop a knowledge and appreciation of the worldwide physical factors in man's environment and of his adjustment to them. The course includes a study of the motions of the earth, land forms, bodies of water, soil, climate, vegetation, with special emphasis on man's political, economic, and social responses to them. Knowledge of the location of both the physical and cultural aspects of man's habitat is related to contemporary events.

The first semester is concerned with physical geography; the second semester is devoted to the study of regional cultural geography.

GEOLOGY

221/222 (20a-20b). Structural and Historical Geology I, II.

2:2:0 per semester. (Not offered 1972-1973.)

The first semester, structural geology, acquaints the student with the forces and dynamic agencies by which the earth has been formed and has evolved into its present condition.

The second semester, historical geology, deals with the probable location of land and sea areas of each of the various geologic periods, and the development of the plants and animals which lived during periods identified by their fossil remains.

GERMAN

See Foreign Languages, page 63.

GREEK

See Foreign Languages, page 64.





HISTORY AND POLITICAL SCIENCE

Professor Geffen, Chairman; Associate Professor Fehr; Assistant Professor Joyce; Instructor Norton

The aim in the teaching of history is to acquaint the student with human behavior in the dimension of past time, in the belief that by thus extending the range of his knowledge he may also enlarge the scope of his sympathies and become more richly human.

The aim in the teaching of political science is to acquaint the student with the many-sided aspects of government, in the belief that by thus enlarging the extent of his knowledge he may expand the scope of his understanding and adopt a critical and objective attitude toward the problems of modern society.

The department also prepares students for graduate and law schools and for careers in teaching, government, and business.

HISTORY

Major: Four one-semester courses in European history as approved by the advisor; History 125 and 235/236 or History 126 and 225/226 or History 225/226 and 235/236 in American history; one course from among History 341, 342, 343, 344; and History 213 and 412.

DEPARTMENTAL HONORS

Students majoring in history may participate in the departmental honors program when they fulfill the following requirements: (1) demonstrate in their academic work the caliber of scholarship required to undertake an extensive research project; (2) achieve a 3.0 grade-point average in departmental courses and a 2.5 grade-point average in all college courses; and (3) apply for and receive permission for such participation from the departmental chairman and the Dean of the College no later than the end of the first semester of the junior year.

The student may work for from one to three semester hours credit per semester for a maximum of nine semester hours in the departmental honors program. A member of the departmental staff will serve as his honors advisor.

During his participation in the program, the student must (1) submit to his honors

advisor periodic progress reports; (2) show progress at a rate and level indicating that he will complete the program on time and at the desired level of achievement; and (3) maintain a 3.0 grade-point average in departmental courses and a 2.5 grade-point average in all college courses.

The participant must (1) obtain departmental approval of a research topic; (2) prepare an essay on the subject selected for research under the guidance of his honors advisor; (3) complete the writing of the essay by March 1 of the senior year; and (4) defend the essay in a manner to be determined by the departmental staff and the Dean of the College. Upon fulfilling these requirements, the student will be recommended by the departmental chairman to the Dean of the College for graduation with departmental honors.

111/112 (10a-10b). History of Western Civilization I, II.

3:3:0 per semester.

The first semester covers the development of Western European culture in all its aspects from its Near Eastern origins to about 1715. The second semester covers its evolution during the eighteenth, nineteenth, and twentieth centuries.

125/126 (24a-24b). Survey of the United States History I, II.

3:3:0 per semester.

The first semester covers the development of the United States to 1865, the second semester from 1865 to the present. Special emphasis throughout the course is placed upon historiographical philosophy and method.

211 (11). Greek and Roman History.

3:3:0. First semester. Offered 1973-1974.

An examination of the origins, structure, and values of Greek and Roman societies from about 1200 B.C. to about 500 A.D. The Mediterranean nature of these cultures and the historians' treatment of them are emphasized.

212 (12). The Middle Ages.

3:3:0. Second semester. Offered 1973-1974.

A study of the emergence of a European society from 500 to 1300. Emphasis is on the social and intellectual aspects of medieval life, and the historiographical record is analyzed.

213 (13). Introduction to Historiography.

3:3:0. First semester.

Theory and practice in the writing of history. The work of selected historians is studied and each student conducts and reports upon his own research. Training is given in research methods and in the preparation of research reports.

221 (21). The Renaissance and Reformation: 1300 to 1600.

3:3:0. First semester. Offered 1972-1973.

A study of the beginnings of the modern era, paying particular attention to the interrelationships between its political, social, economic, and intellectual aspects.

222 (22). The Old Regime: 17th and 18th Centuries.

3:3:0. Second semester. Offered 1972-1973.

An investigation of the impact of modern science and thought upon the development of Western European culture. Particular attention is paid to the nature of European society before the era of revolutions.

224 (28). British History from the Tudors to Victoria.

3:3:0. Second semester. Offered 1973-1974.

A survey focused on the British Isles from 1485 to 1837. The cultural evolution of the English people is studied with emphasis upon the interplay of political, social, and intellectual forces. It is strongly recommended that students take History 111 to establish the setting.

225 (30a). American History to 1800.

3:3:0. First semester. Offered 1972-1973.

An examination is made of all aspects of the development of the United States from its European origins to 1800. Historiographical issues, methods, and problems are stressed.

226 (30b). American History from 1800 to 1865.

3:3:0. Second semester. Offered 1972-1973.

The developments of nineteenth century American history to the end of the Civil War are studied, with special attention to historiographical concerns.

- 235 (40a). The United States: 1865 to 1900.** 3:3:0. First semester. Offered 1973-1974.
The post-Civil War developments of American history during the nineteenth century are analyzed and interpreted, with emphasis upon historiography.
- 236 (40b). The United States: 1900 to the Present.** 3:3:0. Second semester. Offered 1973-1974
The twentieth century history of the United States is studied in all its aspects. Historiographical interpretation is stressed.
- 331 (31). The Era of Revolutions: 1789 to 1870.** 3:3:0. First semester. Offered 1973-1974.
A study of the political and economic changes in Europe from 1789 to 1870 and the total cultural impact of these changes.
- 332 (32). Contemporary Europe: 1870 to the Present.** 3:3:0. Second semester. Offered 1973-1974.
An analysis of the nineteenth century state system, its economic and social bases, its ideology, and its evolution through world wars and technological revolutions.
- 341 (41). Introduction to the History of African Culture.** 3:3:0. First semester. Offered 1972-1973.
A survey of African culture from the tenth-century Sudanic origins to the present day. Emphasis is on the nineteenth and twentieth centuries.
- 342 (48). History of Latin America.** 3:3:0. Second semester. Offered 1972-1973.
A survey of the Latin American republics from their colonial beginnings to the present time.
- 343 (46). History of Russia.** 3:3:0. First semester. Offered 1973-1974.
A survey of Russian history from ancient times to the present, with special attention to developments since the seventeenth century.
- 344 (47). History of the Far East.** 3:3:0. Second semester. Offered 1973-1974.
A survey of the development of the cultural institutions of the Far East, with emphasis upon the trends since 1500.
- 349 (49). Select Problems in History.** 3:3:0. First semester. Offered 1972-1973.
A course to provide the student with an opportunity to explore in depth a topic of special interest.
Open to junior and senior history majors and to other students by permission of the instructor.
- 412 (43). Senior Seminar in History.** 3:3:0. Second semester.
A review of the student's college program in history, with reading, discussion, and writing to serve the following purposes: (1) synthesis of previous course work in history; (2) relation of the academic discipline of history to other fields of knowledge; and (3) formulation and expression of a personal philosophy of history by each student.
Open only to senior departmental majors.
- 500 (I.S.). Independent Study.** 3 hours credit. Either semester.
(Maximum of 3 semesters.)
A course designed for students who do not desire departmental honors but who wish to undertake an independent study project in history.
Open to all students by permission of the instructor who agrees to accept supervision of the student's work.
- 510 (I.S.). Departmental Honors.** 1-3 hours credit. Either semester.
(Maximum of 9 hours credit.)
Students desiring departmental honors enroll in this course under the conditions set forth above under "Departmental Honors."

POLITICAL SCIENCE

Major: Political Science 111/112, 211, 212, 311, 312, 411, 412, 413, and three additional hours in political science as approved by the departmental chairman. Majors are also required to take History 125 and 235/236 or History 126 and 225/226. History 225/226 and 235/236 may be taken in place of the combination of either with History 125/126.

DEPARTMENTAL HONORS

Students majoring in political science may participate in the departmental honors program when they fulfill the following requirements: (1) demonstrate in their academic work the caliber of scholarship required to undertake an extensive research project; (2) achieve a 3.0 grade-point average in departmental courses and a 2.5 grade-point average in all college courses; and (3) apply for and receive permission for such participation from the departmental chairman and the Dean of the College no later than the end of the first semester of the junior year.

The student may work for from one to three semester hours credit per semester for a maximum of nine semester hours in the departmental honors program. A member of the departmental staff will serve as his honors advisor.

During his participation in the program, the student must (1) submit to his honors advisor periodic progress reports; (2) show progress at a rate and level indicating that he will complete the program on time and at the desired level of achievement; and (3) maintain a 3.0 grade-point average in departmental courses and a 2.5 grade-point average in all college courses.

The participant must (1) obtain departmental approval of a research topic; (2) prepare an essay on the subject selected for research under the guidance of his honors advisor; (3) complete the writing of the essay by March 1 of the senior year; and (4) defend the essay in a manner to be determined by the departmental staff and the Dean of the College. Upon fulfilling these requirements, the student will be recommended by the departmental chairman to the Dean of the College for graduation with departmental honors.

111/112 (10a-10b). American National Government.

3:3:0 per semester.

The first semester concentrates on backgrounds, theories, principles, processes, and practices of American national government. Subject areas include: the nature of democracy, constitutional backgrounds, federalism and its problems, civil rights, public opinion formation, voting behavior, political parties, campaigns and elections. Special attention is given to contemporary racial and student unrest in the United States.

The second semester stresses institutional surveys and the actual work of government. The structure, functions, and processes of the main organs of national government — the presidency, the Congress, the judiciary, and the bureaucracy — are examined. Subject areas covered include: the role of government as regulator, promoter, and manager; national defense; foreign policies; and internal development.

211 (20). Comparative Government.

3:3:0. First semester.

A comparative study of important political systems of the world, including an introduction to the basic methodologies. The course examines both totalitarian and representative forms of government.

Prerequisite or corequisites: Political Science 111/112.

212 (21). Foreign Relations.

3:3:0. Second semester.

A survey of the external relations of American government, with emphasis on twentieth century developments. Subject areas include diplomacy, military affairs, geographic and regional problems, trade and aid, technology and underdevelopment, alliances, nuclear problems, and opposing ideologies. Consideration is given to recruitment, training, and problems of the United States foreign service and to the multiple influences shaping American foreign policies.

Prerequisite or corequisites: Political Science 111/112.

- 213 (22). State and County Government.** 3:3:0. First semester. Offered 1972-1973.
This course deals with the structure and functions of state and county government. Emphasis is placed on federal-state-local relationships, on administrative organization and services, on the courts, and on legislative representation.
Prerequisite or corequisites: Political Science 111/112.
- 215 (23). Metropolitan Government.** 3:3:0. First semester. Offered 1973-1974.
This course deals with the rise of urbanization and the accompanying growth of municipal functions. Attention is paid to the legal process and status of cities, to municipal relations with state and national government, to urban politics, and to the various forms of city government.
Prerequisite or corequisites: Political Science 111/112.
- 311 (30). Political Parties in the United States.** 3:3:0. First semester. Offered 1972-1973.
A study of the origins and history of American political parties, their development, organization, leaders, conventions, platforms, and campaigns. Emphasis is given to recent changes in American political patterns.
Prerequisite or corequisites: Political Science 111/112.
- 312 (31). American Constitutional Law.** 3:3:0. Second semester. Offered 1972-1973.
A study of the growth and development of the Constitution through the medium of judicial construction. Recent decisions illustrating its application to new conditions of the present age, and proposals for court modification are given particular attention.
Prerequisite or corequisites: Political Science 111/112.
- 314 (33). Public Opinion.** 3:3:0. Second semester. Offered 1972-1973.
An analysis of the nature and sources of contemporary public opinion, with special attention to types of censorship and to modern propaganda devices.
- 349 (49). Select Problems in Political Science.** 3:3:0. First semester. Offered 1973-1974.
A course to provide the student with an opportunity to explore in depth a topic of special interest.
Open to junior and senior students majoring in political science and to other students by permission of the instructor.
- 411 (40). Political Theory.** 3:3:0. First semester. Offered 1972-1973.
A survey of the different philosophies and theories of government, ancient and modern, with special reference to political philosophy since the sixteenth century.
Prerequisite: a major in political science, or permission of the instructor.
- 412 (43). Senior Seminar in Political Science.** 3:3:0. Second semester.
An intensive review of the student's college program in political science, with reading, discussion, and written assignments to accomplish the following purposes: (1) integration of earlier course work in political science; (2) relation of the discipline to other fields of knowledge; and (3) development and expression of an individual political philosophy by the student.
Prerequisites: a major in political science and senior standing; or permission of the instructor.
- 413 (41). International Politics.** 3:3:0. First semester. Offered 1973-1974.
A course in the origin, forms, dynamics and prospects of the international political pattern, with emphasis on current developments and changing concepts in world politics.
Prerequisite or corequisites: Political Science 111/112.
- 500 (I.S.). Independent Study.** 3 hours credit. Either semester.
(Maximum of 3 semesters.)
A course designed for students who do not desire departmental honors but who wish to undertake an independent study project in political science.
Open to all students by permission of the instructor who agrees to accept supervision of the student's work.

1-3 hours credit. Either semester.
(Maximum of 9 hours credit.)

510 (I.S.). Departmental Honors.

Students desiring departmental honors enroll in this course under the conditions set forth above under "Departmental Honors."

INTERDISCIPLINARY COURSES

130 (34). Philosophy in Literature.

3 hours credit. Either semester upon demand.

A detailed critical examination of various literary works having philosophical content. Exact topics and works to be considered will vary from year to year.

No prerequisites.

332 (32). Seminar in Psychology and Literature.

3 hours credit. Second semester.

A consideration of major psychological theories for use in literary interpretation.

Prerequisites: A major in psychology or English, junior or senior standing and/or permission of the staff.

334 (33). Seminar in Philosophy and Psychology.

3 hours credit. Second semester.

Offered 1973-1974.

A detailed consideration of matters of common interest to philosophy and psychology, taught by members of both departments. Topics will vary from year to year.

Prerequisite: Consent of the instructors.

LANGUAGES

See Foreign Languages, page 62.





MATHEMATICS

Professor Mayer, Chairman; Assistant Professors Burras, Hearsey, and Stare; Adjunct Assistant Professor Rosser

The department of mathematics has several objectives. The mathematics program prepares the student for a career in the applied sciences or in industry, or for continued study in a graduate program. In cooperation with the department of education, it offers a sound preparation for secondary school teaching. Together with the department of economics and business administration it offers a strong program in actuarial science. It administers the pre-engineering program and, last but not least, gives some of the mathematics courses needed by students majoring in other fields.

REQUIREMENTS

B.A. or B.S. with a major in Mathematics. All mathematics majors must take the following basic courses: Mathematics 111, 112, 201, 211, 212, 264, and 321. In addition the student must take at least 12 semester hours of mathematics courses numbered 300 or higher (with no more than three hours in seminar). This choice must have the approval of the department of mathematics.

B.S. with a major in Actuarial Science. All students in this program must take the following courses: Mathematics 111, 112, 201, 211, 212, 264, 321, 461, 471, 472, 480, 481, and 482; Economics 110 and 120; and Business Administration 151 and 152.

RECOMMENDATIONS

Secondary school teaching. A future teacher of mathematics should take Mathematics 111, 112, 201, 211, 212, 264, 321, 322, 331 and 452, plus at least three additional hours of courses numbered 300 or higher.

Students preparing for graduate school. A student planning to attend graduate school in mathematics should take, in addition to the basic courses, the following: Mathematics 311, 312, 322, 400, 412, and 431.

Applied Mathematics. A student planning to work as a mathematician in industry should take, in addition to the basic courses, the following: Mathematics 361, 362, 461, 471, and 472, as well as suitably chosen courses in physics and other physical sciences.

Cooperative engineering. This program is described on p. 98. The student is advised to take at least Mathematics 111, 112, 211, 212, 264, 361, and 362.

Physical science. A major in a physical science should choose from Mathematics 161, 162, 261, 264, 321, 322, 361, 362, and 461.

Behavioral and social science. A major in these fields is advised to choose from Mathematics 161, 162, 170, 264, and perhaps 261.

DEPARTMENTAL HONORS

Students may participate in the departmental honors program if they have demonstrated high scholastic ability and have received permission for such participation from the departmental chairman and the Dean of the College no later than the end of the first semester of the junior year.

A student may receive upon graduation, departmental honors if he has maintained a 3.0 grade-point average in mathematics and has satisfactorily completed the departmental honors program.

100 (10). Basic Concepts of Mathematics.	3:3:0. Either semester.
Outlines of some basic mathematical concepts, designed to satisfy the general mathematics requirement.	
102 (1). Algebra and Trigonometry.	3:3:0. Second semester.
College algebra and trigonometry.	
111, 112 (11). Analysis I, II.	3:3:0 per semester.
A rigorous introduction to continuity, derivative, integral, and series.	
161, 162 (13, 14). Calculus I, II.	3:3:0 per semester.
Introduction to derivative, integral, series, and partial derivative with emphasis on applications.	
170 (12). Elementary Statistics.	3:3:1. Either semester.
Finite probability, statistical inference, standard test correlation.	
201 (25). Foundation of Mathematics.	3:3:0. First semester.
Introduction to logic, set theory, real numbers.	
211, 212 (21). Analysis III, IV.	3:3:0 per semester.
A continuation of Analysis I, II.	
261 (23). Calculus III.	3:3:0. First semester.
Vector calculus, differential equations and applications.	
264 (28). Introduction to Computer Science.	3:3:0. Second semester.
Computer logic and languages, algorithmic procedures, verification.	
311, 312 (31). Advanced Analysis I, II.	3:3:0 per semester.
Topology of Euclidean n-space and function spaces, advanced integration theory, further advanced topics.	
321 (24). Linear Algebra.	3:3:0. First semester.
Vector spaces, transformations, matrices, systems of equations.	
322 (48). Abstract Algebra.	3:3:0. Second semester.
Fundamentals of groups, rings, and fields.	
331 (33). Geometry.	3:3:0. First semester. Offered 1973-1974.
Introduction to the axioms of geometries; Euclidean and non-Euclidean geometries.	

- 361, 362 (40). Methods of Applied Mathematics I, II.** 3:3:0 per semester. Offered 1973-1974.
Linear vector spaces, matrices, determinants, integral equations, partial differential equations, integral formulas.
- 400 (40.1). Seminar.** 1-3 hours credit. Either semester.
- 412 (46). Functions of a Complex Variable.** 3:3:0. Second semester. Offered 1972-1973.
Analytic functions, contour integration, Cauchy theorem, residue theory, conformal mapping.
- 431 (49). Topology.** 3:3:0. First semester. Offered 1973-1974.
Metric space, continuity, compactness, connectedness and other topics.
- 452 (40.1[T]). Seminar for Teachers.** 1-3 hours credit. Second semester.
A senior seminar designed for mathematics teachers is required of those students who wish to become certified to teach mathematics.
- 461 (44). Numerical Analysis.** 3:3:0. First semester. Offered 1972-1973.
Interpolation, smoothing, numerical differentiation and integration.
- 471 (41). Mathematical Probability.** 3:3:0. First semester. Offered 1972-1973.
Sample space, random variables, probability laws and distributions, limit theorems.
- 472 (37). Mathematical Statistics.** 3:3:0. Second semester. Offered 1972-1973.
Generating functions, frequency distributions, decision theory, tests of hypotheses.
- 480 (40.1[A]). Seminar in Actuarial Science.** 1-3 hours credit. Either semester.
Compound interest, difference equations, and applied statistics for actuarial science majors.
- 481, 482 (38, 39). Life Contingencies I, II.** 3:3:0 per semester. Offered 1973-1974.
Single life functions, life insurance, life annuities, multiple life functions, compound contingent functions, reversionary annuities.
- 500 (I.S.). Independent Study.** 1-3 hours credit. Either semester.
(Maximum of 9 hours credit.)
Independent work not intended for honors recognition.
- 510 (I.S.). Departmental Honors.** 1-3 hours credit. Either semester.
(Maximum of 9 hours credit.)

See information on page 74.





MUSIC

Associate Professor Smith, Chairman; Professor Emeritus Bender; Associate Professors Curfman, Fairlamb, Getz, Lanese, Stachow, and Thurmond; Assistant Professors Englebright and Jamanis; Adjunct Assistant Professor Knisley; Instructors Lau, Morgan, and Veri; Adjunct Instructors Aulenbach, Campbell, Catchings, Cobourn, Grove, and Stambach

The aims of the department of music are to train artists and teachers, to teach music historically and aesthetically as an element of liberal culture, and to offer courses that give a thorough and practical understanding of theoretical subjects.

Attendance at all faculty recitals and a portion of student recitals is compulsory.

All majors in music or music education are required to take private instruction on the campus if the department offers instruction in the individual's principal performance medium.

Participation in music organizations may be required of all majors.

For cost of private lessons see page 23.

MUSIC

(B.A. with a major in Music)

This program is designed for those students desiring a liberal arts context in their preparation for a career in applied music.

SPECIAL REQUIREMENTS

All majors are required to take an hour lesson per week in their major performance area and are expected to perform a half or full recital in the junior year and a full recital in the senior year.

All majors outside of the keyboard area are required to take a $\frac{1}{2}$ hour lesson per week in piano until the minimum requirements have been met.

For the recommended plan of study in this program see page 106.

MUSIC EDUCATION

(B.S. with a major in Music Education)

This program has been approved by the Pennsylvania Department of Education and the National Association of Schools of Music for the preparation of teachers of public school music.

The music education curriculum requires two private one-half hour lessons per week (one each in the major and a minor performance area), one of which is included in the tuition charge. A charge is made for the second private lesson.

For the recommended plan of study in this program see pages 108-109.

DEPARTMENTAL HONORS

1. A candidate must have achieved a minimum grade-point average of 3.00 at the end of the sophomore year, and must maintain this minimum to remain eligible for honors status.
2. The private instructor in the candidate's major performance area must recommend the student for full recital privileges during the senior year, and will serve as advisor to the individual's departmental honors program.
3. The candidate through reading and research will produce a thesis or an essay, based on a problem or subject of his own choosing under the direct supervision of his faculty advisor. Creative work will be encouraged with reference to, or emphasis upon, his principal performance medium.
4. Honors recognition shall be dependent upon the quality of the prepared thesis or essay and the level of the candidate's recital performance, both to be reviewed by a committee of three, including the private instructor (advisor), the chairman of the department, and a third music faculty member to be designated by the chairman with the approval of the advisor.
5. In addition to any established pattern of announcing honors candidates and recipients, the printed recital program shall also indicate "in partial fulfillment of requirements for Honors in Music."
6. A maximum of 8 hours credit can be earned in departmental honors.
7. Upon the completion of the above requirements at a satisfactory level, the student will be recommended by the reviewing committee to the Dean of the College for graduation with departmental honors.

I: THEORY OF MUSIC

Sight Singing

111 (10). Sight Singing I. 1:2:0. First semester.

A beginning course in music reading with the use of syllables, incorporating the elements of melody and rhythm within the beat and its division. The following are studied: basic beat patterns, simple and compound time, diatonic intervals, implied harmonic structure within the melodic line, modulation.

112 (11). Sight Singing II. 1:2:0. Second semester.

A continuation of music reading, employing more difficult melodies and rhythms, the beat and its subdivision, and additional interval problems. Phrasing and the application of dynamics are stressed.

211 (20). Sight Singing III. 1:2:0. First semester.

Exercises in four clefs, employing vocal literature of increasing difficulty, both tonal and rhythmic. Modal melodies, remote modulation, superimposed background and meter, changing and less common time signatures are stressed.

Dictation (Ear Training)

113 (12). Ear Training I. 1:2:0. First semester.

Includes the study of the basics of music notation essential for the writing of melodic and rhythmic dictation. Aural analysis and tonal memory are developed. Essentials of tonality are

covered, and harmonic dictation is begun in the latter half of the course. Correlated with Sight Singing and Harmony.

114 (13). Ear Training II.

1:2:0. Second semester.

Increasing complexity and length of melodic and rhythmic dictation with emphasis upon the development of harmonic dictation. Inversions of triads, seventh and ninth chords are included.

213 (22). Ear Training III.

1:2:0. First semester.

A study of more difficult tonal problems including modulation, chromaticism, altered chords, and modality.

Harmony

115 (14). Harmony I.

2:3:0. First semester.

A study of the rudiments of music including notation, scales, intervals, and triads; the connection of triads by harmonizing melodies and basses with fundamental triads; playing of simple cadences at the piano; analysis of phrases and periods.

116 (15). Harmony II.

2:3:0. Second semester.

A study of inversions of triads, seventh and ninth chords, harmonizations of melodies and figured basses; analysis and composition of the smaller forms; modulation.

215 (24). Harmony III.

2:2:0. First semester.

The use of dominant and diminished sevenths as embellishments of and substitutes for diatonic harmony; harmonization of melodies and figured basses; analysis of two and three-part song forms; composition in two-part song form. Playing of more advanced cadences and modulations at the piano.

315 (29). Harmony IV (Elementary Composition)* on special announcement. 2:2:0. First semester.

Melody analysis and writing; four part choral writing; continuation of two and three-part song-form analysis and composition. Composition in theme and variations, fantasia, rondo and dance forms. Study of contemporary harmonic ideas.

316 (39). Keyboard Harmony.

2:2:0. Second semester.

Work at the piano includes the harmonization of melodies both with four-part harmony and with various accompaniment forms; also transposition, improvisation, modulation, reading from figured bass. (Students are placed in elementary, intermediate or advanced sections on the basis of keyboard ability.)

Additional Theory Courses

216 (21). Scoring for the Band.

2:2:0. Second semester.

Study of instrumentation, devices, techniques, and mechanics of scoring transcriptions, arrangements and solos for concert band; special work in scoring for marching band. Laboratory analysis and demonstration of various instrumental colors and combinations. Emphasis is placed on creative scoring.

224 (40.1). Counterpoint.

2:2:0. Second semester.

Introductory work in strict counterpoint through three and four-part work in all the species.

331 (31). Form and Analysis I.

2:2:0. First semester.

A study of the structure of music including hymns, folk songs, two, three and five-part song forms, variations, contrapuntal forms, rondo and sonata forms. Compositions in these forms are studied primarily for their structural content. Course includes extensive listening.

332 (36). Form and Analysis II* on special announcement.

2:2:0. Second semester.

A study through analysis and listening of fugal forms, suite, overture, complete sonata forms (evolution of the symphony), string quartet, the tone poem. Analysis of classical and contemporary works in these forms.

* B.A. program in music.

400 (40.2). Arranging and Scoring for the Stage Band. 2:2:0. Either semester.
Study of modern harmony, modulation, style analysis, special instrumental effects as applied to modern arranging. Laboratory analysis and demonstration of sectional and ensemble voicings.

410 (40.3). Composition, Schillinger System. Private teaching.
A scientific system of music composition created by the late Joseph Schillinger, teacher of such accomplished professionals as George Gershwin, Ted Royal Dewar.

The major aims of the system are to: (1) generalize underlying principles regarding the behavior of tonal phenomena; (2) classify all the available resources of our tonal system; (3) teach a comprehensive application of scientific method to all components of the tonal art, to problems of melody, rhythm, harmony, counterpoint, orchestration and to composition itself.

The system is best studied in the light of a traditional background and admission to course or private instruction is by special permission only.

II. METHODS AND MATERIALS

226 (23). Methods and Materials, Vocal: Early Childhood. 2:2:0. Second semester.
A comprehensive study of music teaching at the lower elementary level, including: the rationale for building a music education curriculum; the appropriate music education materials; suggestions for presenting music with the purpose of developing conceptual understanding of the elements of music; the use of classroom instruments; the beginnings of directed appreciation; and foundation studies for later technical developments.

333 (33A). Methods and Materials, Vocal: Later Childhood. 2:2:0. First semester.
A comprehensive study of music teaching at the upper elementary level; a variety of approaches is examined. Attention is given to the formal and technical work of these grades with an evaluation of appropriate texts. Preparation of lesson plans and observation are required.

334 (34A). Methods and Materials, Vocal: Junior and Senior High School. 2:2:0. Second semester.
A study of adolescent tendencies of high school students. Class content of materials is studied with attention to the organization and presentation of a varied program. Recent trends in teaching are studied.

335 (33B). Methods and Materials, Instrumental: Fourth, Fifth and Sixth Grades. 1:1:0. First semester.
A study of methods and materials used in teaching band and orchestral instruments to children in these grades, with emphasis on a sound rhythmic approach. Both individual and class techniques are studied. Musical rudiments as applied to instrumental teaching are reviewed.

336 (34B). Methods and Materials, Instrumental: Junior and Senior High School. 1:1:0. Second semester.
A study of intermediate and advanced instrumental teaching techniques; methods of organizing and directing school orchestras and bands; fundamentals of musicianship.

402 (43). Seminar in Advanced Instrumental Problems. 2:2:0. Second semester.
A study of the general and specific problems which confront the director of school orchestras, bands, and instrumental classes. Problems of general interest include: organization and management, stimulating and maintaining interest; selecting beginners; scheduling rehearsals and class lessons; financing and purchasing instruments, uniforms, and other equipment; marching band formations and drills; evaluating music materials; organizing festivals, contests, and public performances.

405 (44). Methods in Piano Pedagogy.

2:2:0. First semester.

A study of methods of teaching piano to children and adults. The course includes the song approach method, presentation of the fundamental principles of rhythm, sight reading, tone quality, form, technique, pedaling, transposition and the harmonization of simple melodies. Materials are examined and discussed.

III. STUDENT TEACHING

441/442 (40a-40b). Student Teaching I, II.

6 hours credit per semester.

Student teaching in music education includes vocal and instrumental work from elementary to senior high school.

Cooperating schools include: Annville-Cleona Schools, Derry Township Schools, Milton Hershey School, Lebanon School District, Cornwall-Lebanon Schools, Northern Lebanon School, and Manheim Schools.

IV. INSTRUMENTAL COURSES

Class Instruction in Band and Orchestral Instruments.

Practical courses in which students, in addition to being taught the fundamental principles underlying the playing of all band and orchestral instruments, learn to play on instruments of each group, viz., string, woodwind, brass, and percussion. Problems of class procedure in public schools are discussed; transposition of all instruments is taught. Ensemble playing is an integral part of these courses.

Brass Instruments (Trumpet [Cornet], Horn, Trombone, Baritone, Tuba)**123 (16). Brass I.**

1:2:0. First semester.

A study of any two of the above instruments.

124 (17). Brass II.

1:2:0. Second semester.

A study of the remainder of the above instruments.

Percussion Instruments (Snare Drum, Timpani, Bass Drum, etc.)**227 (18). Percussion I.**

1/2 :1:0. Second semester.

A study of snare drum only.

328 (48). Percussion II.

1/2 :1:0. Second semester.

A study of the remainder of the above listed instruments.

Woodwind Instruments (Clarinet, Flute, Piccolo, Oboe, Saxophone, Bassoon)**231 (25). Woodwind I.**

1:2:0. First semester.

A study of the clarinet.

232 (26). Woodwind II.

1:2:0. Second semester.

A study of the remainder of the above listed instruments.

String Instruments (Violin, Viola, Cello, String Bass)**337 (37). String I.**

1:2:0. First semester.

A study of all of the above listed instruments.

338 (38). String II.

1:2:0. Second semester.

A continuation of the study of all of the above listed instruments.

Instrumental Seminar.	$\frac{1}{2}$:1:0 or 1:2:0. First or second semester.
Application of specific techniques to problems of class instruction.	
420 (41.1–41.2). Brass	Prerequisite: Music 124.
430 (41.3–41.4). Percussion	Prerequisite: Music 328.
440 (41.5–41.6). String	Prerequisite: Music 338.
450 (41.7–41.8). Woodwind	Prerequisite: Music 232.

V. MUSIC ORGANIZATIONS

Opportunities for individual performance in a group experience are provided by music organizations. Membership in the organizations is open on an audition basis to all students of the College.

601 (101a–101b). Symphonic Band. 0:2:0. First semester. 0:3:0. Second semester.

The Blue and White Marching Band of L.V.C. is noted for its half-time performances during the football season. The Symphonic Band of ninety pieces plays several concerts during the year, both on and off campus. The finest original music for band is performed, as well as arrangements of the standard repertoire. Membership in the band is dependent upon the ability of the applicant and the instrumentation of the band. Students from all departments of the College are invited to audition.

602 (102a–102b). All-Girl Band. 0:1:0 per semester.

L.V.C. is unique in having one of the few all-girl bands in the nation. All girls in the College with ability as instrumentalists are welcome to audition. Membership depends upon proficiency and the needs of the band regarding instrumentation.

603 (103a–103b). Symphony Orchestra. 0:3:0. First semester. 0:2:0. Second semester.

The Symphony Orchestra is an organization of symphonic proportions maintaining a high standard of performance. A professional interpretation of a wide range of standard orchestral literature is insisted upon.

604 (104a–104b). Concert Choir. 0:3:0 per semester.

The Concert Choir is composed of approximately fifty voices, selected by audition. All phases of choral literature are studied intensively. In addition to on-campus programs and appearances on radio and the television, the Concert Choir makes an annual tour.

605 (105a–105b). College Chorus. 0:1:0 per semester.

The College Chorus provides an opportunity to study and participate in the presentation of choral literature of major composers from all periods of music history. It is open to all students who are interested in this type of musical performance and who have had some experience in singing.

606 (113a–113b). Chapel Choir. 0:1:0 per semester.

The Chapel Choir is composed of approximately forty voices, selected by audition. The main function of this choir is to provide musical leadership in the weekly chapel services. In addition, seasonal services of choral music are prepared.

607 (106a–106b). Beginning Ensemble. 0:1:0 per semester.

A training band and orchestra in which students play secondary instruments and become acquainted with elementary band and orchestral literature. Opportunity is given for advanced conducting students to gain experience in conducting.

608 (114a–114b). Wind Ensemble. 0:1:0 per semester.

The Wind Ensemble provides an opportunity for advanced players of wind and percussion instruments to play the growing repertoire of music being written for this medium. In addition, standard classical works for wind and/or percussion instruments are played. The forty-five members of this organization are chosen by audition.

Instrumental Small Ensembles.

0:1:0 per semester.

- Open to the advanced player on an audition basis.
- 611 (107a-107b). String Quartet.
612 (108a-108b). String Trio.
613 (109a-109b). Clarinet Choir.
614 (110a-110b). Woodwind Quintet.
615 (111a-111b). Brass Ensemble.
616 (112a-112b). Percussion Ensemble.

VI. THE HISTORY AND APPRECIATION OF MUSIC**100 (19). History and Appreciation of Music.**

3:3:0. Either semester.

A course for the non-music major designed to increase the individual's musical perceptiveness. Through selective, intensive listening, the student develops concepts of musical materials and techniques. The vocabulary thus gained is utilized in a survey of Western music from the Middle Ages to the present.

341/342 (30a-30b). History of Music I, II.

3:3:0 per semester.

A survey course of the history of Western music. Emphasis is placed on the various stylistic developments which have occurred from one era to another, on the composers who have been responsible for these developments, and the music written during these various eras illustrating these stylistic trends. For this purpose, extensive use of recordings is made a part of the course. The first semester includes the development of music up to the Baroque era, the second semester from the Baroque to the present.

343 (32). Music Literature.

2:2:0. First semester.

A study of music literature for elementary, secondary, and adult levels. Interpretation of, response to, and appreciation of music with attention directed to musical elements. Emphasis is placed on instrumental literature.

351/352/353/354 (42). Organ Seminar I, II, III, IV.

2:2:0 per semester.

A four-semester sequence based upon the investigation and study of the following:

351: Organ Design and Registration.

352: Organ History and Literature.

(Early times through the mid-Baroque with emphasis upon French and German music.)

353: Organ Literature.

(An investigation of the organ literature of J. S. Bach and his contemporaries; organ literature of the nineteenth and twentieth centuries.)

354: Church Service Playing.

Required for organ students in the B.A. program in music; open to other organ students with the approval of the instructor.

460 (41). Music Literature Seminar.

3:3:0.

A study of music literature in depth, according to styles, form and techniques of the various musical periods. Designed especially for the B.A. candidate in Music with application of accumulated knowledge in theory, music history, and musical form. Emphasis is upon orchestral literature.

VII. CONDUCTING**346 (35). Conducting I.**

2:2:0. Second semester.

Principles of conducting and the technique of the baton are presented. Each student conducts vocal and instrumental ensembles made up of the class personnel.

445 (45). Conducting II.

2:2:0. First semester.

A continuation of Conducting I with emphasis on practical work with small vocal and instrumental groups. Rehearsal techniques are discussed and applied through individual experience.

VIII. APPLIED MUSIC INSTRUCTION

520 (-). Class Instruction. (Voice and Piano)	1:1:0 per semester.
530 (131-132). Individual Instruction. (Voice, Piano, Organ, Orchestral and Band Instruments.)	1½ :0 per semester.
540 (141-142). Individual Instruction. (Voice, Piano, Organ, Orchestral and Band Instruments.) A charge is made for the second half-hour of instruction. (Private study in major performance; for B.A. music majors only.)	2:1:0 per semester.

IX. DEPARTMENTAL HONORS

510 (I.S.). Departmental Honors.	1-3 hours credit. Either semester. (Maximum of 8 hours credit.)
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See information on page 77.

THE STUDENT RECITALS

The student recitals are of inestimable value to all students in acquainting them with a wide range of the best musical literature, in developing musical taste and discrimination, in affording experience in appearing before an audience, and in gaining self-reliance as well as nerve control and stage demeanor.

Students at all levels of performance appear in these student recitals.

PIPE ORGANS

The department of music contains four Möller organs for private instruction and individual practice: one 4-manual, one 3-manual, two 2-manual instruments, and a 3-manual 62-rank Schantz organ in the College Chapel, installed in 1968.





PHILOSOPHY

Assistant Professor Thompson, Chairman; Adjunct Professor Ehrhart

The department of philosophy serves a major purpose in the curriculum by attempting to make the student aware of the need for a critical evaluation and analysis of the ideas, beliefs, and faiths—scientific and humanistic—with the Western intellectual tradition.

Part of the rationale for the study of philosophy at the College is found in the value of its attempt to examine the history of ideas as it comes to us from the ancient Greeks. But more than this, philosophy seeks to interpret and analyze these ideas as they relate to the student's own existence and that of mankind as a whole. The study of philosophy at Lebanon Valley College takes both inspiration and justification from the maxim of Socrates that "the unexamined life is not worth living."

Major: A total of twenty-four hours, including Philosophy 112, is required of the philosophy major.

INDEPENDENT STUDY AND DEPARTMENTAL HONORS

Students who wish to do independent work in philosophy beyond the scope of courses listed in the College catalog may elect, with departmental approval, to take Independent Study (1) Philosophy 500, which is conducted in a tutorial fashion.

A junior or senior student may, with departmental permission, undertake to do individual study for honors by enrollment in Philosophy 510 (1) Departmental Honors. This involves the writing and oral defense of a detailed research project or critical study on an approved topic. This program is open ordinarily only to departmental majors who have done well in their course work and are aiming at advanced work in philosophy; it is not, however, limited to such students. The student who successfully meets the requirements of the program shall be recommended to the Dean of the College for graduation with departmental honors.

110 (10). Problems of Philosophy.

3:3:0. Either semester.

An introduction to some of the main problems of philosophy and to the ways in which leading philosophers have dealt with them. As part of this course, students learn the critical analysis of ideas.

112 (11). General Logic.	3:3:0. Second semester. An introduction to the rules of clear and effective thinking. Attention is given to the logic of meaning, the logic of valid inference, and the logic of factual inquiry. Main emphasis is laid upon deductive logic, and students are introduced to the elements of symbolic logic as well as to traditional modes of analysis.
223 (23). Ancient and Medieval Philosophy.	3:3:0. First semester. Offered 1972-1973. This course traces the evolution of Western philosophical thought from its origin in the speculations of the pre-Socratic nature-philosophers to the systematic elaborations of the schoolmen of the late Middle Ages.
224 (24). Modern Philosophy.	3:3:0. Second semester. Offered 1972-1973. This course follows the development of philosophical thought in the leading thinkers from the Renaissance to the beginning of the nineteenth century.
228 (30). Ethics.	3:3:0. Second semester. An inquiry into the central problems of ethics, with an examination of the responses of major ethical theories to those problems.
231 (31). Philosophy of Religion.	3:3:0. First Semester. Offered 1973-1974. A study of the issues raised for philosophy by contemporary religious and theological thought. A critical examination of such problems as faith and reason; the meaning of revelation, symbolism, and language; the arguments for the existence of God; faith and history; religion and culture.
335 (35). Twentieth Century Philosophy.	3:3:0. First semester. Offered 1973-1974. An examination of the foremost American, British and Continental philosophers, from 1900 to the present.
340 (41). Aesthetics.	3:3:0. Offered either semester on sufficient demand only. A study of the nature and basis of criticism of works of art.
341 (40). Metaphysics.	3:3:0. First semester. Offered 1972-1973. A detailed consideration of the "theory of reality," as interpreted by representative philosophers from the pre-Socratics to the British and American linguistic analysts, including the twentieth-century phenomenologists. Prerequisite: consent of the instructor.
346 (45). Epistemology.	3:3:0. Second semester. Offered 1972-1973. A critical and analytical study of the chief questions involved in "knowing," as formulated by thinkers from the time of Plato to the present. Prerequisite: consent of the instructor.
442 (42). Seminar.	3 hours credit. Second semester. Discussion of selected problems of philosophy. Open to upperclassmen only, with consent of the instructor.
500 (I.S.). Independent Study.	1-3 hours credit. Either semester. (Maximum of 9 hours credit.) See information on page 84. Prerequisite: consent of the instructor.
510 (I.S.). Departmental Honors.	1-3 hours credit. Either semester. (Maximum of 9 hours credit.) See information on page 84. Prerequisite: junior standing or consent of the instructor.



PHYSICAL EDUCATION

*Assistant Professor Petrofes, Chairman; Assistant Professors Reed and Sorrentino;
Instructors Gaeckler and Garman*

The aims of this department are (1) to encourage attitudes and habits of good total health; (2) to develop the student's physical capacities; (3) to provide activities which will enrich leisure throughout one's life.

Four (4) semesters of physical education are required.

In addition to the family physician's report, it is strongly recommended that all entering students also undergo a thorough visual examination.

Students are required to wear the regulation gymnasium outfit, which may be purchased at the college store.

110 (-). Physical Education (Men) (Women)

0:2:0 per semester.

(Men) The physical education activities include: physical fitness, touch football, basketball, softball, volleyball, archery, badminton, golf, handball, squash, wrestling, tennis, speedball, swimming, soccer, lacrosse, paddle ball, gymnastics, circuit training, weight training, and care and prevention of injuries.

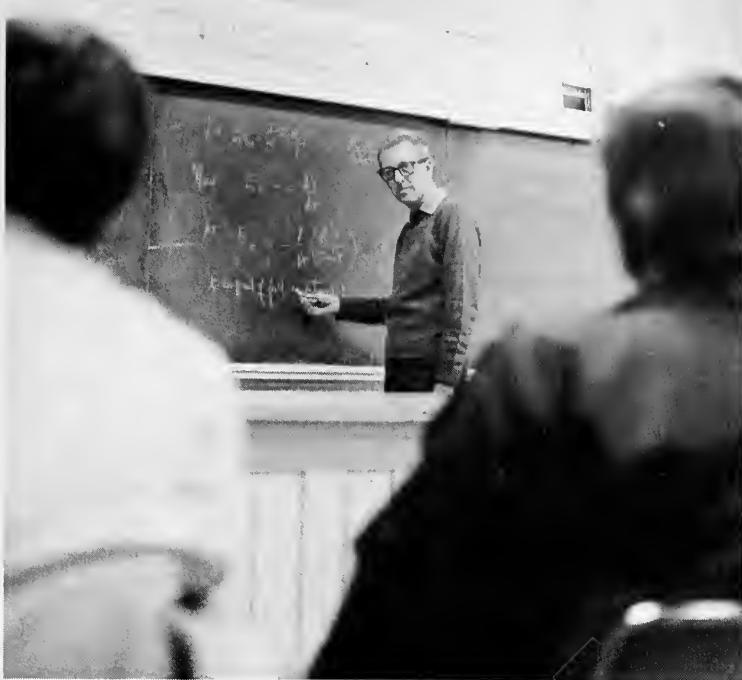
(Women) The physical education activities include: soccer, softball, swimming, golf, archery, volleyball, badminton, table tennis, tennis, gymnastics, calisthenics, field hockey, squash, basketball, and modern dance.

Corrective and Adaptive Physical Education (Men)(Women)

0:2:0 per semester.

Special activities, as prescribed by a physician, for students with physical handicaps or deficiencies.

Not open to students qualified for Physical Education.



PHYSICS

Professor Rhodes, Chairman; Professor Emeritus Grimm; Associate Professor O'Donnell; Assistant Professor Horgan

The department of physics attempts to develop in the student an increased understanding of the basic laws of nature as they relate to our physical environment, and to indicate the possible extent, as well as the limitations, of our knowledge of the physical world.

The course Physics 100 is designed especially for the non-science major who may wish only a one-semester introduction to the role of physics and its impact on society. The introductory course Physics 103, 104 is intended for students who desire a one-year survey course in physics without the calculus prerequisite. The sequence of courses 111, 112 and 211, 212 provides suitable training for students who anticipate additional work in the physical sciences, whether it be in physics, chemistry, engineering, applied mathematics, or some other area for which a strong background in physics is essential. Laboratory work is an integral part of all the physics courses at the freshman and sophomore level; laboratory work at the junior and senior levels is provided in Physics 327/328 and Physics 500. These are courses designed to acquaint the student with the experimental techniques and the measuring instruments appropriate to the various areas of investigation, and to give experience in the interpretation and communication of experimental results. Laboratory facilities include a neutron howitzer, beta and gamma detection equipment with a multi-channel pulse height analyzer, lasers, a 50 kV X-ray diffractometer, and a harmonic wave analyzer.

The department prepares students for graduate study, for research and development work in governmental and industrial laboratories, and for teaching physics in the secondary schools. It also provides background courses in physics appropriate for work in various basic and applied areas of the physical sciences, such as astrophysics, biophysics, space science, and computer technology.

Major: Physics 111, 112, 211, 311, 312, 321, 322, and six additional semester hours, of which at least two shall be in experimental physics.

INDEPENDENT STUDY AND DEPARTMENTAL HONORS

Independent Study, Physics 500, is available to all physics majors with the approval of the departmental chairman. Experimental facilities are available in the department

for independent investigations in X-ray diffraction, neutron reactions, radioactivity, Mössbauer effect, gamma ray spectroscopy, and wave analysis. Theoretical problems may be chosen from classical physics, statistical mechanics, or quantum mechanics.

Physics majors who have demonstrated high academic ability may, with the permission of the departmental chairman and the Dean of the College, participate in the departmental honors program in physics. Application for admission to this program should be made before the end of the junior year. A student admitted to the program enrolls in Physics 510 and works on an experimental or theoretical research project, normally for a period of a year, with departmental supervision. Upon the satisfactory completion of an approved project and the formal presentation of a research paper before an examining committee, the student will be recommended to the Dean of the College for graduation with departmental honors.

100 (12). Physics and Its Impact.

4:3:2. Either semester.

A course designed to acquaint the student, especially the non-science major, with some of the important concepts of physics, both classical and modern, and with the scientific method, its nature and its limitations. The role of physics in the history of thought and its relationships to other disciplines and to society and government are considered. The weekly two-hour laboratory period provides experience in the acquisition, representation, and analysis of experimental data, and demonstration of the physical phenomena with which the course deals. No mathematics or science prerequisite.

103, 104 (10). General College Physics I, II.

4:3:3 per semester.

An introduction to the fundamental concepts and laws of the various branches of physics, including mechanics, heat, sound, electricity, magnetism, optics, and atomic and nuclear structure, with laboratory work in each area.

111, 112 (17). Principles of Physics I, II.

4:3:3 per semester.

An introductory course in classical physics, designed for students who desire a more rigorous mathematical approach to college physics than is given in Physics 103, 104. Calculus is used throughout. The first semester is devoted to mechanics and heat, and the second semester to electricity, magnetism, and optics, with laboratory work in each area. This course should be followed by Physics 211.

Prerequisite or corequisite: Mathematics 111 or 161.

211 (27). Atomic and Nuclear Physics.

4:3:3. First semester.*

An introduction to modern physics, including the foundation of atomic physics, the quantum theory of radiation, the atomic nucleus, radioactivity, and nuclear reactions, with laboratory work in each area.

Prerequisite: Physics 112.

212 (27). Introduction to Electronics.

4:3:3. Second semester.*

The physics of electrons and electronic devices, including vacuum tubes, diodes, transistors, power supplies, amplifiers, oscillators, switching circuits, and servomechanisms, with laboratory work in each area.

Prerequisite: Physics 112.

311, 312 (40). Analytical Mechanics I, II.

3:3:0 per semester.

A rigorous study of classical mechanics, including the motion of a single particle, the motion of a system of particles, and the motion of a rigid body. Damped and forced harmonic motion, the central force problem, the Euler description of rigid body motion, and the Lagrange generalization of Newtonian mechanics are among the topics treated.

Prerequisites: Physics 111 and Mathematics 212 or 261.

* For the academic year 1972-1973 only, in order to permit those students who were enrolled in Physics 17 during 1971-1972 to complete their sequence of courses in physics, Physics 112 will be offered in the first semester in place of Physics 211, and Physics 211 will be offered in the second semester in place of Physics 212.

321, 322 (32). Electricity and Magnetism I, II. 3:3:0 per semester.

A rigorous study of the basic phenomena of electromagnetism, together with the application of fundamental principles to the solving of problems. The electric and magnetic properties of matter, direct current circuits, alternating current circuits, the Maxwell field equations, and the propagation of electromagnetic waves are among the topics treated.

Prerequisites: Physics 112 and Mathematics 212 or 261.

327/328 (37). Experimental Physics I, II. 1:0:3 per semester.

Experimental work selected from the areas of mechanics, A.C. and D.C. electrical measurements, optics, atomic physics, or nuclear physics, with emphasis on experimental design, measuring techniques, and analysis of data.

Prerequisites: Physics 212.

421, 422 (41). Modern Physics I, II. 3:3:0 per semester.

A rigorous study of selected topics in modern physics, utilizing the methods of quantum mechanics. The Schrödinger equation is solved for such systems as potential barriers, potential wells, the linear oscillator, the rigid rotator, and the hydrogen atom. Perturbation techniques and the operator formalism of quantum mechanics are introduced where appropriate.

Prerequisites: Physics 312 and 322.

430 (49). The Teaching of Physics in Secondary Schools. 1:1:0. Either semester.

A course designed to acquaint the student with some of the special methods, programs, and problems in the teaching of physics in secondary schools.

Required for secondary certification in physics.

480 (48). Special Topics in Physics. 3:3:0 per semester.

A seminar in one or more of the following areas of physics is offered each semester, and is open, with the approval of the instructor, to juniors and seniors from any department.

(a) *Thermodynamics*. A study of the laws of thermodynamics from which the following topics are developed: thermodynamic variables, equations of state, phase transitions, specific heats, entropy, and low temperature phenomena.

(b) *Statistical Mechanics*. Maxwell-Boltzmann, Bose-Einstein, and Fermi-Dirac statistics are derived and used to discuss specific heats, paramagnetism, the properties of molecules, photons, and electrons, and fluctuations.

(c) *Wave Theory*. A study of the theory of waves as it applies to electrodynamics, optics, and acoustics. The topics covered include propagation of wave motion, wave guides, diffraction and interference phenomena, and polarization.

(d) *Nuclear Physics*. The topics covered include properties of nuclei, nuclear force, nuclear models, properties of alpha, beta, and gamma decay, fission, and fusion.

(e) *Solid State Physics*. The topics covered include the properties of crystals, electronic states in solids, semiconductors, and the electric and magnetic properties of solids.

500 (I.S.). Independent Study. 1-3 hours credit. Either semester.

(Maximum of 9 hours credit.)

An experimental or theoretical investigation in a selected area of physics under the supervision of a physics staff member. Open to all physics majors with the permission of the departmental chairman.

See information on page 87.

510 (I.S.). Department Honors. 1-3 hours credit. Either semester.

(Maximum of 9 hours credit.)

An experimental or theoretical investigation in a selected area of physics for students who have been admitted to the departmental honors program in physics.

See information on page 88.



PSYCHOLOGY

Professor Davidon, Chairman; Professor Love; Assistant Professors Mather and Stare

The courses in psychology are designed to develop an understanding and appreciation of man, as they present methods, findings and theories of behavioral science.

There is a complete program for those preparing for graduate school studies leading to a professional career in either experimental or clinical psychology.

Furthermore, many of the courses provide an important background for those preparing for careers in other fields such as medicine, teaching and business. The program for a major in psychology can help qualify one for teaching psychology in high school and can be relevant to employment and further training in agencies, hospitals, and laboratories.

Major: Psychology 110, 225, 226, 343, 443 and electives in psychology to complete at least 24 hours. Students preparing for graduate school in psychology are advised to include Psychology 227 or 228, 335/336, 444 and 4 hours of 445/446. With approval, Biology 201 and 202 may be substituted for electives in psychology. Mathematics 170 may be substituted if it has not been used to fulfill the general college requirement. Mathematics 170 rather than Mathematics 101 is recommended for majors to meet the general requirement in mathematics. Three hours of Psychology 445/446 may be substituted for Psychology 443.

INDEPENDENT STUDY AND DEPARTMENTAL HONORS

For the capable student who wishes to take part in selecting and planning his own investigation within particular areas of psychology, a program of independent study and research for credit may replace courses. The student is assisted by a member of the faculty with whom he has individual conferences. The student's investigation is designated as either Independent Study (Psychology 500) or Departmental Honors (Psychology 510).

In order to begin a program of individual study for departmental honors, a psychology major is required to: (1) have an over-all grade-point average of 2.5; (2) have an average of 3.0 in psychology courses; (3) show consistently high interest and initiative; and (4) obtain the approval of the departmental staff and the Dean of the College.

Graduation with honors in psychology will depend on the quality of the work in departmental honors and the maintenance of the grade-point averages specified for admission to the study program.

110 (20.) General Psychology.

3:3:0. Either semester.

An introduction to the scientific study of behavior and human experience, with emphasis on biological and environmental influences upon learning, perception, motivation, and cognitive functions. Studies of the person, of development and personality, and of interpersonal relationships are reviewed.

220 (23). Educational Psychology.

3:3:0. Either semester.

An application of psychological principles to problems and issues encountered in formal education. Required for state certification in elementary and music education.

Prerequisite: Psychology 110.

221 (21). Childhood and Development.

3:3:0. First semester.

A study of human growth and development with particular emphasis upon the psychological development of the child. Theories of development and appropriate research studies are included. Required for state certification in elementary education.

Prerequisite: Psychology 110.

222 (31). Psychology of Adolescence.

3:3:0. Second semester. (Not offered 1972-1973.)

A study of the psychological development in the adolescent period.

Prerequisite: Psychology 110.

225 (25a). Experimental Psychology: Learning and Motivation.

3:3:0. First semester.

Instrumental and classical conditioning techniques are compared and related to theories of human and animal learning and motivation. Basic methods in the investigation of verbal learning are also considered.

Prerequisite: Psychology 110.

226 (25b). Experimental Psychology: Sensory and Perceptual Processes.

3:3:0. Second semester.

Review of major areas of investigation of visual, auditory and other sensory systems. Psychophysical methods, and principles of sensory differentiation and field organization are included.

Prerequisite: Psychology 110.

227 (26.1). Laboratory Investigations I: Learning.

1:0:3. First semester.

Animal learning experiments coordinated with topics in Psychology 225. Simple learning situations are demonstrated. Students design and conduct experiments, analyze data, and write technical reports.

Prerequisite: Psychology 110.

Corequisite: Psychology 225.

228 (26.1). Laboratory Investigations II: Sensory and Perceptual Processes.

1:0:3. Second semester.

Experiments with human subjects, coordinated with topics in Psychology 226. Students select sensory/perceptual problems for investigation, have a part in the design of experiments, conduct trials, do statistical computation, and interpret the results.

Prerequisite: Psychology 110.

Corequisite: Psychology 226.

335/336 (35a-35b). Research Design and Statistical Analysis.

3 hours credit per semester.

Principles of research design and inferential statistical analysis planning and execution of studies.

Prerequisites: Psychology 110, 225, and 226.

343 (43). Personality.

3:3:0. First semester.

A study of the dynamics and development of personality, of the meaning and content of experience, and of the representative theories concerning these.

Prerequisites: Psychology 110; junior or senior standing, or permission of the instructor.

346 (33). Social Psychology.	3:3:0. Second semester. Studies of the person's social responses and attributes, of group structures and relations, of cultural norms, and of social influences on behavior. Prerequisites: Psychology 110; junior or senior standing, or permission of the instructor.
431 (32). Abnormal Behavior.	3 hours credit. First semester. An introduction to the major syndromes of abnormal behavior and their dynamics, and to the psychological, sociocultural and biological conditions associated with their development. Prerequisites: Psychology 110 and 343, or permission of the instructor.
432 (41). Introduction to Clinical Psychology.	3 hours credit. Second semester. The history of clinical psychology and the psychological approaches to the treatment of the mentally ill are reviewed. Psychological assessment and clinically oriented research techniques are also included. Prerequisites: Psychology 110, 431; senior standing or permission of the instructor.
443 (46). History and Theory.	3:3:0. First semester. Philosophical issues, areas and trends of investigation, and "schools of psychology" prior to 1940. Prerequisites: Psychology 110, 225 and 226; junior or senior standing, or permission of the instructor.
444 (44). Physiological Psychology.	3:2:2. Second semester. A comparative study of neuroanatomy and neurophysiology with emphasis on the human nervous system. Functional and anatomical relationships are related to problems in sensation, perception, learning, and motivation. Prerequisites: Psychology 110; Biology 101/102 or permission of the instructor.
445/446 (45a–45b). Research Seminar I, II.	1-3 hours credit per semester. Independent study, with individual experiments or projects, conferences, and group discussions. Prerequisites: Two semesters of psychology beyond Psychology 110, and senior standing.
500 (I.S.). Independent Study.	3 hours credit. Either semester. (Maximum of 9 hours credit.) Individual investigation of a selected topic in psychology; this includes conferences with the instructor. See information on page 90. Prerequisites: Psychology 110, two additional psychology courses, and permission of the instructor.
510 (I.S.). Departmental Honors.	3 hours credit. Either semester. (Maximum of 9 hours credit.) A program of individual research for the student who meets the qualifications for departmental honors. See information on page 90. Prerequisites: major in psychology, junior or senior standing, and approval of the Dean of the College and the department.



RELIGION

Professor Wethington, Chairman; Associate Professor Troutman; Assistant Professors Byrne and Cantrell; Adjunct Assistant Professor Bemesderfer

The aim of this department is to provide opportunity for the academic study of the meaning of man's religious experience.

Toward this end, the department offers courses which introduce the student to the various historical and contemporary expressions of the Christian heritage as well as courses which acquaint him with the diverse religious traditions of mankind.

As pre-professional preparation, courses are provided for those who are looking toward graduate studies in the humanities, social sciences, world cultures, the Christian ministry, world missions, and other church vocations, as well as the academic teaching of religion.

Major: A total of twenty-four semester hours is required, including Religion 403 and 404. A total of six hours of New Testament or Hellenistic Greek (Greek 322) as well as Philosophy of Religion (Philosophy 231) may be counted toward a religion major.

DEPARTMENTAL HONORS

Students wishing to participate in the departmental honors program in the department may do so by fulfilling the following requirements: (1) achieve high academic standing in departmental courses; (2) submit a paper in connection with a course beyond the first year courses; (3) apply and receive approval for participation in departmental honors from the departmental chairman and the Dean of the College by the end of the first semester of the junior year; (4) prepare an essay of 10,000 words or more under the direction of a member of the department to be submitted by March 15 of the senior year; (5) defend the essay before a faculty committee selected by the department chairman and the Dean of the College.

On the basis of his performance in the essay and the oral examination, the departmental chairman and the Dean of the College will determine whether or not the candidate is to receive departmental honors.

111 (12). Introduction to Biblical Thought.

3:3:0. First semester.

An examination of some of the basic themes of Biblical religion in relation to their historical context and their contemporary implications.

112 (13). Introduction to the Christian Faith.

3:3:0. Second semester.

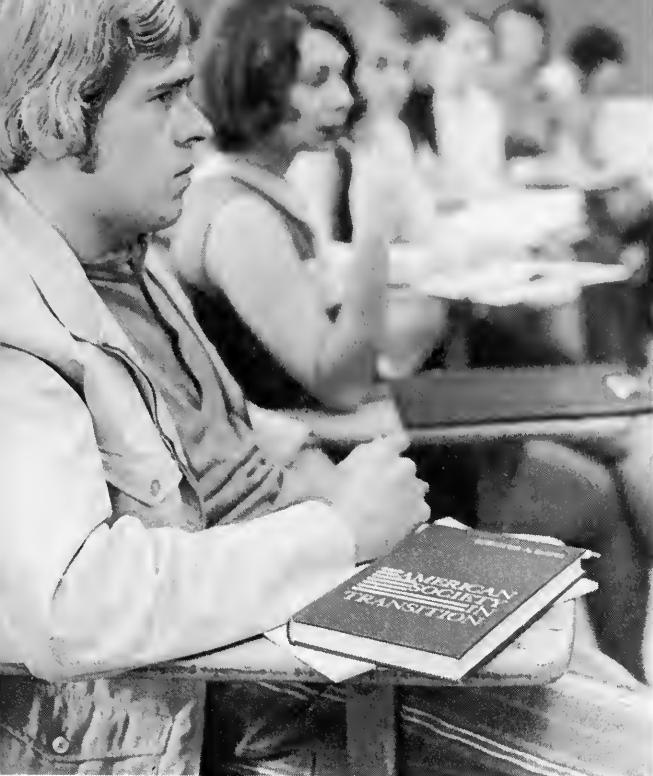
A systematic inquiry into the areas of religious languages, religious knowledge, and the doctrines of God, man, Christ, and the Church.

120 (22). Religion in America.	3:3:0. Either semester.
A study of contemporary Judaism, Roman Catholicism, and Protestantism in the United States, including a brief historical background of each. Some attention is given to the various religious sects and cults.	
No prerequisite.	
140 (42). World Religions.	3:3:0. Either semester.
An examination of the rise and development of religion along with a study of the ideas, and cultic and ethical practices of the great world faiths. Special attention given to Asian religions.	
No prerequisite.	
202 (20). The Prophets.	3:3:0. Second semester. Offered 1973-1974.
A study of the lives and writings of the Old Testament prophets, and an analysis of their contributions to Hebrew-Christian religious thought.	
211 (32). Life and Teachings of Jesus.	3:3:0. First semester.
An intensive study of the life and message of Jesus as set forth in the Gospels.	
Prerequisite: Religion 111 or 112.	
212 (30). Life and Epistles of Paul.	3:3:0. Second semester. Offered 1973-1974.
A study of the life, writings, and theological thought of Paul and their relationship to the practices, problems, and beliefs of the early church.	
222 (33). Christian Ethics.	3:3:0. Second semester.
A systematic analysis of the implications of the Christian faith both for personal moral decision, and for social policy in such areas as government and political life, work and the economic order.	
Prerequisite: Religion 111 or 112.	
331 (36). Christian Tradition and Reform.	3:3:0. First semester.
A study of the major and continuing strains in the history of Christianity and the principal reform movements.	
No prerequisite.	
332 (39). Theological Issues in Contemporary Secular Authors.	3:3:0. Second semester.
Identification, analysis, and interpretation of issues of special theological import raised by thinkers representing "non-theological" disciplines.	
Prerequisite: Religion 112, or consent of instructor.	
342 (40). Introduction to Christian Nurture.	3:3:0. Second semester. Offered 1973-1974.
An investigation of some of the principles and problems of religious education as they are related to higher education, the public school, the church school, and the home.	
Prerequisite: Religion 111 or 112.	
403 (44). Seminar in Classical Religious Thinkers.	3:3:0. First semester. Offered 1972-1973.
An intensive study of the thought of such classical religious thinkers as Augustine, Aquinas, Luther, and others.	
Required of majors and strongly recommended for all pre-theological students; others by permission of the chairman of the department.	
404 (45). Seminar in Contemporary Religious Problems.	3:3:0. Second semester. Offered 1972-1973.
A study of selected problems arising from recent theological efforts. Research methodology is stressed.	
Required of majors and strongly recommended for all pre-theological students; others by permission of the chairman of the department.	
500 (I.S.). Independent Study.	1-3 hours credit. Either semester.
For students who do not plan to take departmental honors.	
510 (I.S.). Departmental Honors.	1-3 hours credit. Either semester. (Maximum of 9 hours credit.)

See information on page 93.

RUSSIAN

See Foreign Languages, page 65.



SOCIOLOGY

Associate Professor Berson, Chairman; Assistant Professor White

The courses in the department of sociology have been designed: (1) to develop the student's understanding of the social structure and the social relationships in and through which man functions; (2) to provide preliminary training for those who are planning to enter the field of social, religious, and community work; and (3) to furnish basic background knowledge for the pursuit of graduate work in sociology.

Major: Sociology 111, 112, 335, 346, 444, Math 170, and fifteen additional hours from Sociology 222, 301, 331, 332, 333, and 345, Anthropology 211, and Psychology 346.

DEPARTMENTAL HONORS

The departmental honors program is designed to provide stimulation for superior students who have demonstrated high academic ability and initiative. The program is planned as an integral part of the student's major study based upon his special interests and area of concentration. Students desiring to participate in this program need to fulfill the following requirements: (1) maintain an average of 3.0 in sociology courses; (2) maintain an over-all grade-point average of 2.5; (3) apply for admission to the departmental honors program at the beginning of the second semester of the sophomore year; and (4) receive approval from the department chairman and the Dean of the College before the end of the first semester of the junior year. The program requires the investigation of a major problem through study and research culminating in a formal oral presentation of a paper to be defended before a faculty committee. Determination of departmental honors will be made by the department chairman and the Dean of the College on the basis of demonstrated proficiency.

ANTHROPOLOGY

211 (20). Introduction to Anthropology.

3:3:0. First semester.

A general survey of the fields of physical anthropology, archeology, and cultural anthropology, with some attention given to the uses and methods of anthropology and to the effect of culture on personality.

SOCIOLOGY

111 (20). Introduction to Sociology.

3:3:0. First semester.

A systematic study of the major concepts, methods, and areas of sociology. Analysis of human values and their interrelationship to group behavior.

112 (21). Contemporary Social Problems.

2:2:0. Second semester.

A sociological analysis of problems relating to types of deviant behavior, including mental disorders, delinquency, crime, and drug addiction, and social disorganization, including poverty, family disorganization, race, and ethnic relationships.

222 (22). Sociology of the Family.

3:3:0. First semester.

A cross-cultural perspective and analysis of the changing trends of the family. Structural-functional and role theory approach will be presented.

Prerequisite: Sociology 111.

301 (30). Criminology.

3:3:0. First semester. Offered 1972-1973.

Presentation of theories relating to the nature, causation, and treatment of criminal and delinquent behavior.

Prerequisite: Sociology 112.

331 (31). Introduction to Social Welfare.

3:3:0. First semester. Offered 1972-1973.

Historical perspective of the characteristics of social welfare and survey of social work methods. Analysis of social issues and critical evaluation of policies and programs.

Prerequisites: Sociology 111 and 112.

332 (32). Field Practice in Social Work.

3 hours credit. Second semester. Offered 1972-1973.

Application of sociological-social work concepts through supervised field experience in private and public agencies and hospitals supplemented by course material.

Prerequisite: Sociology 331.

333 (33). Social Institutions.

3:3:0. First semester. Offered 1973-1974.

Analysis of the structure and function of the institutional system. Emphasis upon the influence of the major social institutions including religion, mass culture, and mass media.

Prerequisite: Sociology 111.

335 (34). Methods of Social Research.

3:3:0. First semester. Offered 1973-1974.

An introduction to the basic principles of research design and to the primary techniques utilized in the collection and analysis of data for testing sociological hypotheses.

Prerequisites: Sociology 111 and 112; open only to junior and senior majors in sociology and to others by permission of the staff.

345 (40). Population.

3:3:0. First semester. Offered 1973-1974.

A study of the size, growth, composition, and distribution of the peoples of the earth. Emphasis is placed on problems occasioned by urban development.

Prerequisite: Sociology 111.

346 (43). Development of Sociological Theory.

3:3:0. Second semester. Offered 1973-1974.

A study of the theorists and trends in sociological thought. Major sociocultural systems and the structural-functional approach are explored.

Prerequisites: Sociology 111 and 112.

444 (45). Senior Seminar.

3:3:0. Second semester.

Critical analysis of sociological theory applied to contemporary issues. Major project required.

Prerequisite: senior sociology major or permission of the department chairman.

500 (I.S.). Independent Study.

1-3 hours credit. Either semester.

(Maximum of 9 hours credit.)

Designed for the student who seeks to engage in independent research but not for departmental honors. A major area for investigation is defined by the student in consultation with a faculty member. A substantive paper is required. Requirements include: (1) 2.5 average based upon a minimum of six courses in sociology and (2) junior or senior standing.

510 (I.S.). Departmental Honors.

1-3 hours credit. Either semester.

(Maximum of 9 hours credit.)

A program of intensive study and research culminating in the presentation of a paper to be defended before a faculty committee. See information on page 95.

SPANISH

See Foreign Languages, page 65.



SPECIAL PLANS OF STUDY

ACTUARIAL SCIENCE

Advisor: Dr. Mayer

The program in actuarial science follows a four-year schedule. It allows the student to prepare himself adequately for the first four of the ten examinations required by the Society of Actuaries for admission as a Fellow. However, the choice of courses is broad enough to qualify the graduate as a major in mathematics.

The requirements are stated on page 73.

Part 1 of the examination of the Society of Actuaries may be taken in the spring of the freshman year or the fall or spring of the sophomore year. Part 2 of the examination may be taken in the spring of the sophomore or junior year. The summer following the sophomore or junior year may be spent in the home office of one of the life insurance companies. Parts 3 and 4 of the examination may be taken in the spring of the junior year and should be taken by the spring of the senior year.

The College is a testing center for the Society of Actuaries and the major can take each of the examinations on campus.

Upon the satisfactory completion of the above curriculum and tests, the degree of Bachelor of Science with a major in Actuarial Science is granted.



COOPERATIVE ENGINEERING PROGRAM

Advisor: Dr. Mayer

Lebanon Valley College offers a cooperative program in engineering whereby a student may achieve a liberal arts degree from Lebanon Valley College and also an engineering degree from the University of Pennsylvania or any other institution with which cooperative arrangements are in effect.

A student electing to pursue this curriculum spends the first three years in residence at Lebanon Valley College. At the end of these three years he may, if recommended, attend the University of Pennsylvania or another cooperating institution for two additional years of work in engineering. Upon the successful completion of the five years of study, the student will receive two degrees: the Bachelor of Science degree from Lebanon Valley College and a Bachelor of Science degree in one of the fields of engineering from the University of Pennsylvania or other cooperating institution.

The advisor should be consulted concerning the various curriculums.

COOPERATIVE FORESTRY PROGRAM

Advisor: Mr. Bollinger

Lebanon Valley College offers a program in forestry in cooperation with the School of Forestry of Duke University. Upon successful completion of a five-year coordinated course of study, a student will have earned the Bachelor of Science degree from Lebanon Valley College and the professional degree of Master of Forestry from the Duke School of Forestry.

A student electing to pursue this curriculum spends the first three years in residence at Lebanon Valley College. Here he obtains a sound education in the humanities and other liberal arts in addition to the sciences basic to forestry. The student devotes the last two years of his program to the professional forestry curriculum of his choice at the Duke School of Forestry.

The advisor should be consulted concerning the curriculum.

MEDICAL TECHNOLOGY CURRICULUM

Advisor: Dr. Argot

The medical technology program is a four-year curriculum. The student takes regular college courses, including biology, chemistry, physics, mathematics, and general college requirements, during the first three years. These courses are more than sufficient to fulfill the requirements of the Board of Schools of the American Society of Clinical Pathologists.

Following the completion of these courses the student spends twelve months of training at any hospital with an American Medical Association approved school of medical technology. At present Lebanon Valley College is affiliated with the Harrisburg Hospital and the Lancaster General Hospital.

Upon satisfactory completion of this internship the student is awarded the degree of Bachelor of Science in Medical Technology by Lebanon Valley College.



PRE-MEDICAL, PRE-DENTAL, AND PRE-VETERINARY CURRICULA

Advisor: Dr. Wolfe

Students contemplating admission to medical, dental, or veterinary colleges should pursue a science program with a major in either biology or chemistry. They should register their professional intentions with the advisor of these programs by the end of their freshman or sophomore years. At that time their work will be reviewed and provision made to meet the special requirements of the colleges of their choice.

All students planning to enter the medical profession should confer with the pre-medical advisor as to the dates for medical aptitude tests and other special requirements.

The advisor should be consulted concerning the curriculum.

NURSING

Advisor: Mr. Bollinger

The nursing program offers to young persons interested in a career in nursing an opportunity to obtain a liberal arts education in connection with their nursing training.

Lebanon Valley College has affiliations with a number of accredited hospital schools of nursing for a combined curriculum in nursing. The liberal arts portion of the curriculum at the College is two years in length. The hospital portion of the curriculum, in which the student earns a diploma in nursing, may be two or three years in length, depending upon the program established by the particular hospital school of nursing.

Either phase of the curriculum may be taken prior to the other. Thus, the student may complete the two-year liberal arts program at Lebanon Valley College and then enroll in a school of nursing, or the prospective nurse may complete the program of a school of nursing and then begin the academic work at the College.

The student will be awarded the degree of Bachelor of Science in Nursing by Lebanon Valley College upon successful completion of both phases of the curriculum and the receipt of the registered nursing certificate (R.N.).

The advisor should be consulted concerning the requirements of the liberal arts phase of the curriculum.

CHEMISTRY

Advisors: Dr. Neidig, Dr. Spencer, Dr. Lockwood

Students entering with advanced placement in chemistry are asked to consult the advisors.

Course Number	Course Title	Hours		Credit
		1st Sem.	2nd Sem.	
FIRST YEAR				
Chemistry	111, 112....Principles of Chemistry I, II	4	4	
English	111/112....English Composition I, II	3	3	
German	113, 114....Scientific German I, II	3	3	
Mathematics	161, 162....Calculus I, II	3	3	
Physical Education	110/110....Physical Education	0	0	
Religion	General Requirement	3	3	
		16	16	
SECOND YEAR				
Chemistry	211....Reaction Kinetics and Chemical Equilibria .	4	—	
Chemistry	212....Chemistry of the Covalent Bond	—	4	
Distribution Requirements	The Humanities or the Social Sciences	3	6	
Mathematics	261....Calculus III	3	—	
Physical Education	110/110....Physical Education	0	0	
Physics	111, 112....Principles of Physics I, II	4	4	
		14	14	





THIRD YEAR

Chemistry	311, 312....Physical Chemistry I, II	3	3
Chemistry	313....Organic Chemistry	3	—
Chemistry	314....Instrumental Analysis	—	3
Chemistry	315, 316....Laboratory Investigations I, II	1	1
Chemistry	317....Laboratory Investigations III	2	—
Chemistry	318....Laboratory Investigations IV	—	2
Distribution Requirements	The Humanities or the Social Sciences ...	6	3
Elective .....	.....	—	3
		<hr/>	
		15	15

FOURTH YEAR

Chemistry	411, 412....Advanced Inorganic Chemistry I, II	3	3
Chemistry	413....Advanced Analytical Chemistry	3	—
Chemistry	414....Advanced Organic Chemistry	—	3
Chemistry	500....Independent Study	2	2
Distribution Requirements	The Sciences	3	—
Electives .....	.....	6	9
		<hr/>	
		17	17

Curriculum leading to the degree of Bachelor of Science in Chemistry
(Part of the requirements for American Chemical Society certified degree)

DEPARTMENT OF ECONOMICS AND BUSINESS ADMINISTRATION

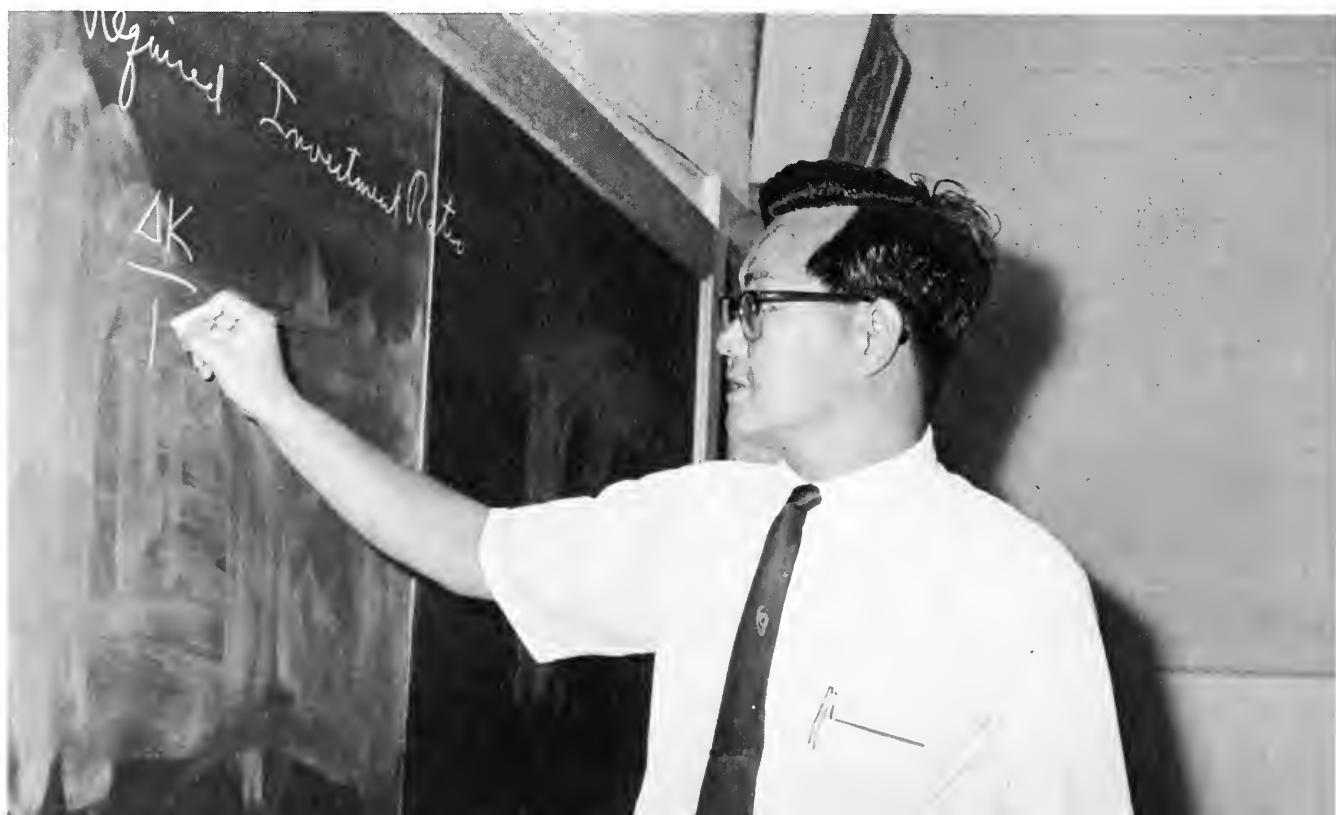
Advisors: Dr. Tom, Mr. Peterke

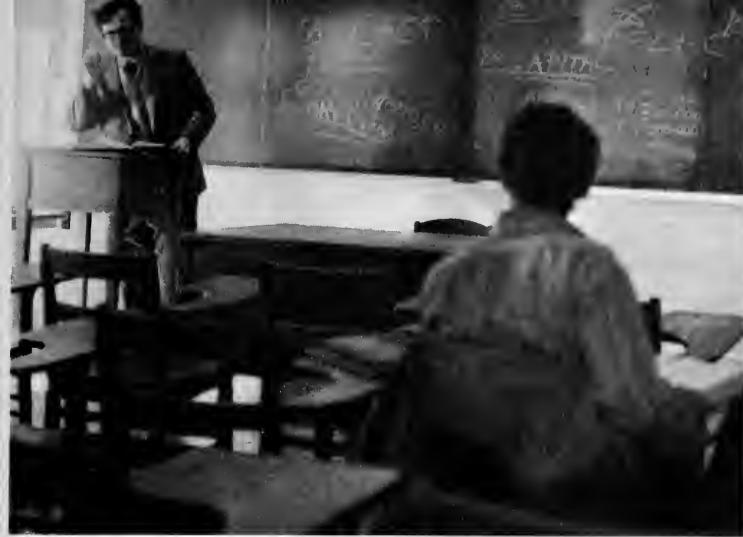
Suggested program for majors in Economics and Business Administration.

Course Number	Course Title	Hours		Credit
		1st Sem.	2nd Sem.	
FIRST YEAR				
Economics	110, 120....Principles of Economics I, II	3		3
Bus. Adm.	151....Principles of Accounting I	4		—
English	111/112....English Composition I, II	3		3
Foreign Language	111, 112....Intermediate French, German, Greek, Latin, Russian, or Spanish I, II	3		3
Mathematics	102 or 161....Algebra and Trigonometry or Calculus I..0 or 3			3 or 0
Distribution Requirements	Humanities, or Natural Sciences, or Social Sciences	3 or 0		3 or 7
Physical Education	110/110....Physical Education	0		0
Computer Programming	110....BASIC Computer Language	—		0
		16		15-16

SECOND YEAR

Economics	201....Microeconomic Analysis	3	—
Economics	202....Macroeconomic Analysis	—	3
Economics or Bus. Adm.	Electives*	3	3
History	213....Introduction to Historiography	3	—
Distribution Requirements	Humanities, or Natural Sciences, or Social Sciences	3 or 4	6 or 7
Religion	General Requirement	3	3
Physical Education	110/110....Physical Education	0	0
		15-16	15-16





THIRD YEAR

Economics	301.... Labor Economics	3	—
Bus. Adm.	352.... Marketing	—	3
Economics or Bus. Adm.	Electives*	3	3
Distribution Requirements	Humanities, or Natural Sciences, or Social Sciences	6 or 7	6 or 7
Electives		3	3
		<hr/>	<hr/>
		15-16	15-16

FOURTH YEAR

Economics	490.... Seminar and Special Problems.....	—	3
Economics or Bus. Adm.	Electives*	6 or 9	6 or 9
Electives		6 or 9	6 or 9
		<hr/>	<hr/>
		15	15

* Students concentrating in areas designated should schedule courses as indicated:

Economics:

- Econ. 311 — Money and Banking
- Econ. 322 — Public Finance
- Econ. 332 — International Economics
- Econ. 401 — History of Economic Thought
- Econ. 411 — Economic Growth
- Econ. 422 — Econometrics

Business Administration:

- Bus. Adm. 361 — Corporation Finance
- Bus. Adm. 362 — Investments and Statement Analysis
- Bus. Adm. 371 — Business Law I
- Bus. Adm. 372 — Business Law II
- Bus. Adm. 471 — Industrial Management and Personnel Administration

Accounting:

- Bus. Adm. 251 — Intermediate Accounting
- Bus. Adm. 252 — Advanced Accounting
- Bus. Adm. 451 — Cost Accounting
- Bus. Adm. 452 — Income Tax Accounting
- Bus. Adm. 461 — Auditing

For students who are interested in receiving Pennsylvania Teaching Certification in Comprehensive Social Studies with a major in Economics, the following courses are required:

- Econ. 110, 120 — Principles of Economics I, II
- Econ. 201 — Microeconomic analysis
- Econ. 202 — Macroeconomic analysis
- Econ. 301 — Labor Economics
- Econ. 490 — Seminar and Special Problems
- Bus. Adm. 151 — Principles of Accounting I
- Bus. Adm. 352 — Marketing
- Econ. 311 — Money and Banking, or
- Econ. 322 — Public Finance, or
- Econ. 332 — International Economics, or
- Econ. 401 — History of Economic Thought, or
- Econ. 411 — Economic Growth, or
- Bus. Adm. 371 — Business Law I, or
- Bus. Adm. 372 — Business Law II.

ELEMENTARY EDUCATION

Advisors: Dr. Ebersole, Mrs. Herr

Suggested program for majors in Elementary Education.

Course Number	Course Title	Hours		Credit
		1st Sem.	2nd Sem.	
FIRST YEAR				
Education	110.... Social Foundations of Education	3		—
English	111/112.... English Composition I, II	3		3
Foreign Language	111, 112.... Intermediate French, German, Russian, or Spanish I, II	3		3
Distribution Requirements	Biology, Chemistry, or Physics	3 or 4		3 or 4
Physical Education	110/110.... Physical Education	0		0
Psychology	110.... General Psychology	—		3
Religion	General Requirement	3		3
		15-16		15-16
SECOND YEAR				
Geography	111/112.... World Geography I, II	3		3
Distribution Requirement	The Humanities	3 or 0		0 or 3
Psychology	220.... Educational Psychology	—		3
History	125 or 126.... Survey of United States History I or II ...	0 or 3		3 or 0
Elementary Education	220.... Music in the Elementary School.....	0 or 3		3 or 0
Elementary Education	250.... Mathematics for Elementary Grades	3 or 0		0 or 3
Elementary Education	270.... Children's Literature	0 or 3		3 or 0
Physical Education	110/110.... Physical Education	0		0
Electives		3 or 6		3 or 6
		15		15





THIRD YEAR

Elementary Education	341....Teaching of Reading	3	-
Elementary Education	332....Physical Sciences in the Elementary School	-	3
Elementary Education	361/362....Communications and Group Processes in the Elementary School I, II	3	3
Distribution Requirements	The Social Sciences	3	3
Psychology	221....Childhood and Development	3	-
Mathematics	100....Basic Concepts of Mathematics	3	-
Elective .....	.....	-	3
Elementary Education	344....Health and Safety Education	-	3
		15	15

FOURTH YEAR

Elementary Education	440....Student Teaching	12	-
Art	401....Art in the Elementary School	3	-
Elementary Education	444....Senior Seminar	-	3
Distribution Requirements	The Humanities	-	6
Electives or area of concentration .....	.....	-	6
		15	15

MUSIC

Advisor: Mr. Fairlamb

Course Number	Course Title	Hours		Credit
		1st Sem.	2nd Sem.	
FIRST YEAR				
English	111/112....English Composition I, II	3		3
Foreign Language	111, 112....Intermediate French, German, Spanish, or Russian I, II	3		3
Distribution Requirements	The Natural Sciences	3-4		3-4
Physical Education	110/110....Physical Education	0		0
Music	111, 112....Sight Singing I, II	1		1
Music	113, 114....Ear Training I, II	1		1
Music	115, 116....Harmony I, II	2		2
Music	Applied Music*	2		2
		15-16		15-16
SECOND YEAR				
Distribution Requirements	The Social Sciences	3		3
Mathematics	100....Basic Concepts of Mathematics	—		3
Physical Education	110/110....Physical Education	0		0
Religion	General Requirement	3		3
Music	211....Sight Singing III	1		—
Music	213....Ear Training III	1		—
Music	215....Harmony III	2		—
Music	224....Counterpoint	—		2
Music	Applied Music*	2		2
Electives		3		2
		15		15





THIRD YEAR

Distribution Requirement	The Social Sciences	3	-
Distribution Requirements	The Humanities	3	3
Music	315.... Harmony IV	2	-
Music	341/342.... History of Music I, II	3	3
Music	331, 332.... Form and Analysis I, II	2	2
Music	316.... Keyboard Harmony	-	2
Music	Applied Music*	2	2
Electives		-	3
		15	15

FOURTH YEAR

Distribution Requirement	The Sciences	3	-
Distribution Requirement	The Humanities	-	3
Music	460.... Music Literature Seminar	3	-
Music	346.... Conducting I	-	2
Music	Applied Music*	2	2
Electives		7	8
		15	15

* Study of voice, organ, piano, and band and orchestral instruments.

MUSIC EDUCATION

Advisor: Mr. Smith

<u>Course Number</u>	<u>Course Title</u>	<u>Hours</u>	<u>Credit</u>
		1st Sem.	2nd Sem.
FIRST YEAR			
English	111/112....English Composition I, II	3	3
Foreign Language	111, 112....Intermediate French, German, Spanish, or Russian I, II	3	3
Biology	101, 102....Introduction to Biology I, II	3	3
Physical Education	110/110....Physical Education	0	0
Music	111, 112....Sight Singing I, II	1	1
Music	113, 114....Ear Training I, II	1	1
Music	115, 116....Harmony I, II	2	2
Music .....	.....Applied Music*	3	3
		16	16
SECOND YEAR			
Distribution Requirements	The Social Sciences	3	3
Education	110....Social Foundations of Education	—	3
Physical Education	110/110....Physical Education	0	0
Psychology	110....General Psychology	3	—
Religion .....	.....General Requirement	3	3
Music	211....Sight Singing III	1	—
Music	216....Scoring for the Band	—	2
Music	213....Ear Training III	1	—
Music	226....Methods: Vocal; Early Childhood	—	2
Music	215....Harmony III	2	—
Music .....	.....Applied Music*	3	3
		16	16





THIRD YEAR

English	227/228....Comparative Literature I, II	3	3
Music	341/342....History of Music I, II	3	3
Music	331....Form and Analysis I	2	—
Music	343....Music Literature	2	—
Music	333....Methods: Vocal; Later Childhood	2	—
Music	335....Methods: Instrumental; Grades 4-6	1	—
Music	334....Methods: Vocal; Jr.-Sr. High	—	2
Music	336....Methods: Instrumental; Jr.-Sr. High	—	1
Music	346....Conducting I	—	2
Music	316....Keyboard Harmony	—	2
Music	Applied Music*	3	3
		<hr/>	<hr/>
		16	16

FOURTH YEAR

Distribution Requirement	The Social Sciences	—	3
Psychology	220....Educational Psychology	3	—
Art	110....Introduction to Art	3	—
Music	445....Conducting II	2	—
Music	441/442....Student Teaching I, II	6	6
Music	402....Seminar in Advanced Instrumental Problems	—	2
Elective .....	.....	—	3
Music	Applied Music*	2	2
		<hr/>	<hr/>
		16	16

* Study of voice, organ, piano, and band and orchestral instruments.

TEACHING

Advisors: Dr. Ebersole, Mrs. Herr

The requirements listed below are applicable to students desiring to be certified to teach in the Commonwealth of Pennsylvania.

BASIC REGULATIONS—PENNSYLVANIA INSTRUCTIONAL I CERTIFICATE

A. General Education

Certificates are based on the completion of a minimum of sixty (60) semester hours of acceptable courses in general education with not less than twelve (12) semester hours in the humanities and not less than six (6) semester hours in each of the following areas: the social sciences and natural sciences.

These requirements apply to both elementary and secondary fields.

B. Elementary Education—Subject Matter Requirements

The Pennsylvania Instructional I certificate may be issued to those who have completed the program specified on pp. 104-105.

The prospective elementary education teacher is also required to have an academic major or an area of concentration of at least 18 to 24 semester hours.

The area of concentration may be defined as follows:

Study in a single subject such as history; study in a broad field such as sociology, psychology, and anthropology elected from social science; study in an inter-disciplinary field such as courses elected from the humanities, social science, or the natural sciences.



C. Professional Education for Secondary Teacher Certification

Pennsylvania Instructional I certificates are based on the completion of the approved program in the subject field to be taught in the secondary school and a minimum of eighteen (18) semester hours of professional education distributed in the following areas: social foundations of education, human growth and development, materials and methods of instruction and curriculum, and nine (9) semester hours in actual practicum and student teaching experience under approved supervision and appropriate seminars including necessary observation, participation and conferences on teaching problems. The areas of methods and materials of instruction and curriculum, and student teaching shall relate to the subject matter specialization field or fields.

D. Secondary Student Teaching Program

A student concentrating in a major area of interest may, upon the direction of his advisor and approval of the Dean of the College, enroll in one of three student teaching programs.

1. Semester of Professional Training

A student desiring to receive, upon graduation, the Pennsylvania Instructional I certificate devotes a semester of the senior year to professional preparation. The fifteen weeks are organized as follows:

Six Weeks: Ed. 420. Human Growth and Development. 3:7 $\frac{1}{2}$:0. See page 58 for course description.

Six Weeks: Ed. 430. Practicum and Methods. 3:7 $\frac{1}{2}$:0. See page 58 for course description.

Some time is devoted to the presentation of data on basic reading instruction to fulfill certification requirements for the Commonwealth of Pennsylvania.

Nine Weeks: Ed. 440. Student Teaching.

Nine semester hours credit.

The student enters on a full-time student teaching experience of not less than nine consecutive weeks. He is under the direction of a trained teacher in an accredited high school and is counseled and directed by the college director of secondary student teaching. The student teacher also is observed by his major advisor.

Prerequisites for Student Teaching: A student must have:

- a. Maintained a 2.0 grade-point average in his major field,
- b. Completed the basic courses of Education 110, 420, and 430, and
- c. Secured written approval of his major advisor, the director of secondary student teaching, and the Dean of the College in order to be accepted for student teaching in the professional semester of his senior year.

2. Post-Graduate Student Teaching

The post-graduate student teaching program is under the direction of Lebanon Valley College or, by arrangement, may be pursued with any other accredited institution which has provision for supervising student teaching in the public schools.

Because of the necessity of meeting Pennsylvania state certification requirements of proper supervision, only a limited number of students are accepted in the in-service student teaching program. Likewise, assignments are made only to those schools within the range of the institution responsible for supervising the enrollee.

3. Graduate Internship

A student may enroll in one of many graduate internship programs after graduation from college. For further information contact the chairman of the department of education.

Directories

FACULTY AND ADMINISTRATIVE STAFF, 1971-1972

FACULTY:

FREDERICK P. SAMPLE, 1968—;
President.

CARL Y. EHRHART, 1947—;
Dean of the College.

WILLIAM H. FAIRLAMB, 1947—;
Secretary of the Faculty.

EMERITI:

FREDERIC K. MILLER, 1939-1967;
President Emeritus.
A.B., Lebanon Valley College, 1929; M.A., University of Pennsylvania, 1931; Ph.D., 1948; Litt.D., Muhlenberg College, 1954; D.H.L., Dickinson College, 1967; LL.D., Lebanon Valley College, 1968; D.Pd., Geneva College, 1968; LL.D., Waynesburg College, 1969.

MRS. RUTH ENGLE BENDER, 1918-1922, 1924-1970;
Professor Emeritus of Music Education.
A.B., Lebanon Valley College, 1915; Oberlin Conservatory; graduate New England Conservatory.

DONALD E. FIELDS, 1928-1930; 1947-1970;
Librarian Emeritus.
A.B., Lebanon Valley College, 1924; M.A., Princeton University, 1928; Ph.D., University of Chicago, 1935; A.B. in Library Science, University of Michigan, 1947.

MRS. FRANCES T. FIELDS, 1947-1970;
Cataloging Librarian Emeritus.
A.B., Lebanon Valley College, 1929; A.B. in Library Science, University of Michigan, 1947; M.A., Universidad de San Carlos de Guatemala, 1960.

SAMUEL O. GRIMM, 1912-1970;
Professor Emeritus of Physics.
B.Pd., State Normal School, Millersville, 1910; A.B., Lebanon Valley College, 1912; A.M., 1918; Sc.D., 1942.

LENA L. LIETZAU, 1930-1952;
Professor Emeritus of German.
Ph.D., University of Vienna, 1928.

HELEN ETHEL MYERS, 1921-1956;
Librarian Emeritus.
A.B., Lebanon Valley College, 1907; Library Science, Drexel Institute of Technology.

ALVIN H. M. STONECIPHER, 1932-1958;
Professor Emeritus of Latin Language and Literature; Dean Emeritus.
A.B., Vanderbilt University, 1913; A.M., 1914; Ph.D., 1917; Litt.D., Lebanon Valley College, 1962.

GEORGE G. STRUBLE, 1931-1970;
Professor Emeritus of English.
B.S. in Ed., University of Kansas, 1922; M.S. in Ed., 1925; Ph.D., University of Wisconsin, 1931.

PROFESSORS:

- ROBERT S. DAVIDON, 1970—;
Professor of Psychology; Chairman of the Department of Psychology.
A.B., University of Illinois, 1940; M.A., University of Pennsylvania, 1946; Ph.D., 1951.
- CLOYD H. EBERSOLE, 1953—;
Professor of Education; Chairman of the Department of Education.
A.B., Juniata College, 1933; M.Ed., The Pennsylvania State University, 1941; D.Ed., 1954.
- CARL Y. EHRHART, 1947—;
Adjunct Professor of Philosophy.
- MRS. ANNA DUNKLE FABER, 1954—;
Professor of English.
A.B., Lebanon Valley College, 1948; M.A., University of Wisconsin, 1950; Ph.D., 1954.
- ELIZABETH M. GEFFEN, 1958—;
Professor of History; Chairman of the Department of History and Political Science.
B.S. in Ed., University of Pennsylvania, 1934; M.A., 1936; Ph.D., 1958.
- *KARL L. LOCKWOOD, 1959—;
Professor of Chemistry.
B.S., Muhlenberg College, 1951; Ph.D., Cornell University, 1955.
- JEAN O. LOVE, 1954—;
Professor of Psychology.
A.B., Erskine College, 1941; M.A., Winthrop College, 1949; Ph.D., University of North Carolina, 1953.
- JOERG W. P. MAYER, 1970—;
Professor of Mathematics; Chairman of the Department of Mathematics.
Dipl. Math., University of Giessen, 1953; Ph.D., 1954.
- HOWARD A. NEIDIG, 1948—;
Professor of Chemistry; Chairman of the Department of Chemistry.
B.S., Lebanon Valley College, 1943; M.S., University of Delaware, 1946; Ph.D., 1948.
- SARA ELIZABETH PIEL, Jan., 1960—;
Professor of Languages; Chairman of the Department of Foreign Languages.
A.B., Chatham College, 1928; M.A., University of Pittsburgh, 1929; Ph.D., 1938.
- JACOB L. RHODES, 1957—;
Professor of Physics; Chairman of the Department of Physics.
B.S., Lebanon Valley College, 1943; Ph.D., University of Pennsylvania, 1958.
- C. F. JOSEPH TOM, 1954—;
Professor of Economics and Business Administration; Chairman of the Department of Economics and Business Administration.
B.A., Hastings College, 1944; M.A., University of Chicago, 1947; Ph.D., 1963.
- L. ELBERT WETHINGTON, 1963—;
Professor of Religion; Chairman of the Department of Religion.
B.A., Wake Forest University, 1944; B.D., Divinity School of Duke University, 1947; Ph.D., Duke University, 1949.

ASSOCIATE PROFESSORS:

- ELAINE S. BERSON, 1970—;
Associate Professor of Sociology; Chairman of the Department of Sociology.
A.B., University of Illinois, 1950; M.S.W., University of Oklahoma, 1953; Ph.D., Duke University, 1958.
- GEORGE D. CURFMAN, 1961—;
Associate Professor of Music Education.
B.S., Lebanon Valley College, 1953; M.M., University of Michigan, 1957; D.Ed., The Pennsylvania State University, 1971.
- HILDA M. DAMUS, 1963—;
Associate Professor of German.
M.A., University of Berlin and Jena, 1932; Ph.D., University of Berlin, 1945.
- WILLIAM H. FAIRLAMB, 1947—;
Associate Professor of Piano and Music History.
Mus.B., cum laude, Philadelphia Conservatory, 1949.

* Sabbatical leave, 1971-1972.

ALEX J. FEHR, 1951—;
Associate Professor of Political Science.
A.B., Lebanon Valley College, 1950; M.A.,
Columbia University, 1957; Ph.D., Syracuse
University, 1968.

ARTHUR L. FORD, 1965—;
Associate Professor of English; Chairman of
the Department of English.
A.B., Lebanon Valley College, 1959; M.A.,
Bowling Green State University, 1960; Ph.D.,
1964.

PIERCE A. GETZ, 1959—;
Associate Professor of Organ.
B.S., Lebanon Valley College, 1951; M.S.M.,
Union Theological Seminary School of
Sacred Music, 1953; A.M.D., Eastman School
of Music, 1967.

MRS. JUNE EBY HERR, 1959—;
Associate Professor of Elementary Education.
B.S., Lebanon Valley College, 1943; M.Ed.,
The Pennsylvania State University, 1954.

THOMAS A. LANESE, 1954—;
Associate Professor of Strings, Conducting,
and Theory.
B.Mus., Baldwin-Wallace College, 1938; fel-
lowship, Juilliard Graduate School; M.Mus.,
Manhattan School of Music, 1952.

J. ROBERT O'DONNELL, 1959—;
Associate Professor of Physics.
B.S., The Pennsylvania State University,
1950; M.S., University of Delaware, 1953.

ROBERT W. SMITH, 1951—;
Associate Professor of Music Education;
Chairman of the Department of Music.
B.S., Lebanon Valley College, 1939; M.A.,
Columbia University, 1950.

FRANK E. STACHOW, 1946—;
Associate Professor of Theory and Wood-
winds.
Diploma, clarinet, Juilliard School of Music;
B.S., Columbia University, 1943; M.A., 1946.

JAMES M. THURMOND, 1954—;
Associate Professor of Music Education and
Brass Instruments.
Diploma, Curtis Institute of Music, 1931;
A.B., American University, 1951; M.A.,
Catholic University, 1952; Mus.D., Washing-
ton College of Music, 1944.

PERRY J. TROUTMAN, 1960—;
Associate Professor of Religion and Greek.
B.A., Houghton College, 1949; B.D., United
Theological Seminary, 1952; Ph.D., Boston
University, 1964.

HARRY P. WEAST, 1967—;
Associate Professor of Education.
B.S., University of Pittsburgh, 1937; M.Ed.,
1944; D.Ed., 1953.

ASSISTANT PROFESSORS:

JEANNE E. ARGOT, 1969—;
Assistant Professor of Biology.
B.S., Moravian College, 1965; M.S., Lehigh
University, 1967; Ph.D., 1969.

DAVID N. BAILEY, 1971—;
Assistant Professor of Chemistry
B.S., Juniata College, 1963; Ph.D., Massa-
chusetts Institute of Technology, 1968.

WILLIAM A. BATCHELOR, 1953-1966; 1968-
1969; 1971—;
Adjunct Assistant Professor of Art.
B.S., Edinboro State College, 1933; M.A.,
The Pennsylvania State University, 1951.

JAMES O. BEMESDERFER, 1959—;
Adjunct Assistant Professor of Religion.

PHILIP A. BILLINGS, 1970—;
Assistant Professor of English.
B.A., Heidelberg College, 1965; M.A.,
Michigan State University, 1967.

O. PASS BOLLINGER, 1950—;
Assistant Professor of Biology.
B.S., Lebanon Valley College, 1928; M.S.,
The Pennsylvania State University, 1937.

FAY B. BURRAS, 1964—;
Assistant Professor of Mathematics.
A.B., Lebanon Valley College, 1960; M.A.,
Smith College, 1961.

DONALD E. BYRNE, JR., 1971—;
Assistant Professor of Religion.
B.A., St. Paul Seminary, 1963; M.A., Marquette University, 1966.

VOORHIS C. CANTRELL, 1968—;
Assistant Professor of Religion.
B.A., Oklahoma City University, 1952; B.D., Southern Methodist University, 1956; Ph.D., Boston University, 1967.

CHARLES T. COOPER, 1965—;
Assistant Professor of Spanish.
B.S., U.S. Naval Academy, 1942; M.A., Middlebury College, 1965.

MRS. VIRGINIA E. ENGLEBRIGHT, 1971—;
Assistant Professor of Voice.
B.M.E., Florida State University, 1969; M.M., 1970.

JOHN C. D. FIELD, 1971—;
Visiting Assistant Professor of English.
B.A., Pembroke College, Cambridge, 1963; Dip. Ed., Oxford University, 1964; M.A., Cambridge University, 1970.

JONATHAN S. GRIFFITHS, 1971—;
Assistant Professor of Chemistry.
B.A., Gettysburg College, 1966; M.A., Duke University, 1970; Ph.D., 1971.

DAVID M. GRING, 1971—;
Assistant Professor of Biology.
B.A., Franklin and Marshall College, 1967; M.A., Indiana University, 1970; Ph.D., 1971.

BRYAN V. HEARSEY, 1971—;
Assistant Professor of Mathematics.
B.A., Western Washington State College, 1964; M.A., Washington State University, 1966; Ph.D., 1968.

JOHN R. HORGAN, JR., 1970—;
Assistant Professor of Physics.
B.S., College of the Holy Cross, 1965; M.S., University of Massachusetts, 1967; Ph.D., 1970.

MICHAEL G. JAMANIS, 1966—;
Assistant Professor of Piano.
B.S., Juilliard School of Music, 1962; M.S., 1964.

RICHARD A. JOYCE, 1966—;
Assistant Professor of History.
A.B., Yale University, 1952; M.A., San Francisco State College, 1963

JOHN P. KEARNEY, 1971—;
Assistant Professor of English.
B.A., St. Benedict's College, 1962; M.A., University of Michigan, 1963; Ph.D., University of Wisconsin, 1968.

WILLIAM KERR, 1969—;
Assistant Professor of Education.
B.A., Swarthmore College, 1950; M.A., Temple University, 1957; M.A., Montclair State College, 1962.

MRS. NEVELYN J. KNISLEY, 1954-58; 1963; 1970—;
Adjunct Assistant Professor of Piano.
Mus.B., Oberlin Conservatory of Music, 1951; M.F.A., Ohio University, 1953.

TAKYUN J. LEE, 1971—;
Assistant Professor of Economics.
B.A., Marquette University, 1960; M.A., 1962; Ph.D., State University of New York, at Binghamton, 1971.

MARK L. LYNDRUP, 1970—;
Assistant Professor of Chemistry.
B.S., Trinity College, 1961; Ph.D., Northwestern University, 1966.

LEON E. MARKOWICZ, 1971—;
Assistant Professor of English.
A.B., Duquesne University, 1964; M.A., University of Pennsylvania, 1968.

JOHN W. MARTIN, 1971—;
Assistant Professor of French.
B.A., Yale University, 1958; M.A., San Diego State College, 1967.

JAMES H. MATHER, 1968—;
Assistant Professor of Psychology.
A.B., Westminster College, 1962; M.A., Bryn Mawr College, 1965; Ph.D., 1969.

*MRS. AGNES B. O'DONNELL, 1961—;
Assistant Professor of English.
A.B., Immaculata College, 1948; M.Ed., Temple University, 1953; M.A., University of Pennsylvania, 1968.

WERNER H. PETERKE, 1967—;
Assistant Professor of Economics.
B.S., Cornell University, 1959; M.A., Kent State University, 1962.

* Sabbatical leave, 1971-1972.

- GERALD J. PETROFES, 1963—;
Assistant Professor of Physical Education; Chairman of the Department of Physical Education.
 B.S., Kent State University, 1958; M.Ed., 1962.
- O. KENT REED, 1971—;
Assistant Professor of Physical Education.
 B.S. in Ed., Otterbein College, 1956; M.A. in Ed., Eastern Kentucky University, 1970.
- EDWARD A. RICE, 1971—;
Assistant Professor of Accounting and Business Administration.
 B.B.A., University of Florida, 1966; M.B.A., 1969.
- HARWOOD ROSSER, 1971—;
Adjunct Assistant Professor of Actuarial Science.
 A.B., University of Florida, 1932.
- LOUIS A. SORRENTINO, 1971—;
Assistant Professor of Physical Education.
 B.A., Lebanon Valley College, 1954; M.A., Bucknell University, 1961.
- JAMES N. SPENCER, 1967—;
Assistant Professor of Chemistry.
 B.S., Marshall University, 1963; Ph.D., Iowa State University, 1967.
- MRS. CHARLOTTE KNARR STARE, 1966—;
Assistant Professor of Psychology.
 B.A., Lebanon Valley College, 1964; M.A., Kent State University, 1966.
- DAYLE H. STARE, 1968—;
Assistant Professor of Mathematics.
 A.B., Lebanon Valley College, 1964; M.A., The Pennsylvania State University, 1966.
- WARREN K. A. THOMPSON, 1967—;
Assistant Professor of Philosophy; Chairman of the Department of Philosophy.
 A.B., Trinity University, 1957; M.A., University of Texas, 1963.
- EDWARD H. WHITE, 1969—;
Assistant Professor of Sociology.
 A.B., Dickinson College, 1964; M.A., University of Connecticut, 1966.
- PAUL L. WOLF, 1966—;
Assistant Professor of Biology; Chairman of the Department of Biology.
 B.S., Elizabethtown College, 1960; M.S., University of Delaware, 1963; Ph.D., 1968.
- ALLAN F. WOLFE, 1968—;
Assistant Professor of Biology.
 B.A., Gettysburg College, 1963; M.A., Drake University, 1965; Ph.D., University of Vermont, 1968.
- GLENN H. WOODS, 1965—;
Assistant Professor of English.
 A.B., Lebanon Valley College, 1951; M.Ed., Temple University, 1962.

INSTRUCTORS:

- ROBERT A. AULENBACH, 1968—;
Adjunct Instructor in Woodwinds.
 B.M., Boston Conservatory of Music, 1949.
- RICHARD C. BELL, 1966—;
Instructor in Chemistry.
 B.S., Lebanon Valley College, 1941; M.Ed., Temple University, 1955.
- ROBERT B. CAMPBELL, 1968—;
Adjunct Instructor in Woodwinds.
 B.S., Lebanon Valley College, 1954; M.M., University of Michigan, 1960.
- JOHN A. CATCHINGS, 1969—1970; 1971—;
Adjunct Instructor in Strings.
 B.M., Peabody Conservatory of Music, 1969.
- MRS. M. CATHERINE COBOURN, 1971—;
Adjunct Instructor in Flute.
 B.M., Peabody Conservatory of Music, 1967.
- D. ROGER GAECKLER, 1969—;
Instructor in Physical Education.
 B.S., Gettysburg College, 1964.
- MRS. E. ELIZABETH GARMAN, 1964—;
Instructor in Physical Education; Director of Athletics for Women.
 B.S., Beaver College, 1942.
- WILLIAM A. GROVE, 1971—;
Adjunct Instructor in Brass.
 B.S., Lebanon Valley College, 1965.

MRS. GEILAN A. HANSEN, 1963—;
Adjunct Instructor in Russian.

RICHARD A. ISKOWITZ, 1969—;
Instructor in Art.
B.F.A., Kent State University, 1965; M.F.A.,
1967.

MRS. FRANCES VERI JAMANIS, 1967—;
Instructor in Piano.
B.S., Juilliard School of Music, 1964; M.S.,
1965.

ROBERT C. LAU, 1968—;
Instructor in Musical Theory.
B.S., Lebanon Valley College, 1965; M.A.,
Eastman School of Music, 1970.

PHILIP G. MORGAN, 1969—;
Instructor in Voice.
B.M.E., Kansas State College, 1962; M.S.,
1965.

JOHN D. NORTON, 1971—;
Instructor in Political Science.
B.A., University of Illinois, 1965; M.A.,
Florida State University, 1967.

MRS. MALIN Ph. SAYLOR, 1961—;
Adjunct Instructor in French.
Fil. Kand., Universities of Upsala and Stockholm, 1938.

MRS. GLORIA E. STAMBACH, 1970—;
Adjunct Instructor in Piano.
Diploma, Juilliard School of Music, 1952; 1956.

TEACHING ASSISTANTS:

MONIQUE M. H. BEROUD, 1971—;
Teaching Assistant in French.
University Diploma, University of Lyon, 1968; Licence, 1970.

MONIKA D. RAUSCHER, 1971—;
Teaching Assistant in German.
Diploma, University of Bern, 1970.

JUAN G. SARDI, 1971—;
Teaching Assistant in Spanish.

COOPERATING TRAINING TEACHERS:

The student teaching program is organized to give the beginning teacher as wide and varied experiences as possible.

Extreme care is used in the assignment of the cooperating teacher with the student teacher. The selection is made in a cooperative manner between the administration of the local school and the supervisor of student teaching at the College.

Student teaching in music education and in elementary and secondary education is done in schools within reasonable traveling distance of the College.

Names of cooperating teachers and subjects taught are available in the offices of the departments of education and music.

DEPARTMENTAL ASSISTANTS, 1971-1972:

Biology, David L. Stein, 1972

Chemistry, Elizabeth A. Robinson, 1972

Economics and Business Administration,
Robert G. Chabitnoy, 1974

Foreign Languages, Ralph W. McCabe, 1973

History and Political Science, John A. Schoch,
Jr., 1972

Mathematics, Janet E. Scattergood, 1975

Music, Ronald R. Renshaw, 1972, 1st semester
Gary S. Shultis, 1974, 2nd semester

Physical Education, Jan C. Buckheit, 1974

Physics, Wayne D. Johnson, 1973

Psychology, Susan C. Van Houten, 1972

Religion, Kenneth R. Bickel, 1974

Sociology, Gail L. Sebring, 1972

TEACHING INTERN, 1971-1972:

English, David C. Hostetter, 1972



OFFICES OF ADMINISTRATION

OFFICE OF THE PRESIDENT:

FREDERICK P. SAMPLE, 1968—;
President.

B.A., Lebanon Valley College, 1952; M.Ed.,
Western Maryland College, 1956; D.Ed., The
Pennsylvania State University, 1968; Pd.D.,
Albright College, 1968.

MRS. DOROTHY M. SPOHN, *Secretary.*

MRS. LILLIAN M. SUMMER, *Secretary.*

ACADEMIC:

Office of the Dean of the College

CARL Y. EHRHART, 1947—;
Dean of the College, 1960—;
Vice President, 1967—.

A.B., Lebanon Valley College, 1940; B.D.,
United Theological Seminary, 1943; Ph.D.,
Yale University, 1954.

RALPH S. SHAY, 1948-1951; Feb. 1953—;
Assistant Dean of the College, 1967—.
A.B., Lebanon Valley College, 1942; A.M.,
University of Pennsylvania, 1947; Ph.D.,
1962.

MISS JEANETTE E. BENDER, *Secretary.*

Office of Admissions

D. CLARK CARMEAN, 1933—;
Director of Admissions, 1949—.

A.B., Ohio Wesleyan University, 1926; M.A.,
Columbia University, 1932.

GREGORY G. STANSON, 1966—;
Assistant to the Director of Admissions,
1968—.

B.A., Lebanon Valley College, 1963; M.Ed.,
University of Toledo, 1966.

MRS. SYLVIA H. SNYDER, *Secretary.*

MRS. LORETTA A. WATSON, *Secretary.*

Office of the Registrar

RALPH S. SHAY, 1948-1951; Feb. 1953—;
Assistant Dean of the College and Registrar,
1967—.

MRS. SUZANNE B. GAUKROGER, *Secretary.*

MRS. LAURA L. GOMMEL, *Secretary.*

MRS. MARION G. LOY, *Secretary.*

Library

- WILLIAM E. HOUGH, III, 1970—;
Head Librarian; Associate Professor.
A.B., The King's College, 1955; Th.M., Dallas Theological Seminary, 1959; M.S.L.S., Columbia University, 1965.
- MRS. ELOISE P. BROWN, 1961—;
Reference Librarian.
B.S.L.S., Simmons College, 1946.
- MRS. ALICE S. DIEHL, 1966—;
Cataloging Librarian.
A.B., Smith College, 1956; B.S., Carnegie Institute of Technology, 1957; M.L.S., University of Pittsburgh, 1966.
- MISS MYUNG JA KANG, 1970—;
Assistant Cataloging Librarian.
B.A., Sook Myung Women's University, 1962; M.S.L.S., Villanova University, 1969.
- MRS. ROBERTA J. MOYER, Secretary.
- MISS PAULA E. STRAUSS, Secretary.

Departmental Secretaries

- MRS. SARAH E. DETTRA, Teacher Placement.
- MISS SHARON L. KRICK, Chapel.
- MRS. ELIZABETH C. MICHELSEN, 112 College Avenue.
- MRS. EVELYN D. NAGLE, Administration Building.
- MRS. PATRICIA A. PARKER, Engle Hall.
- MISS BARBARA C. RHINE, Lynch Memorial Building.
- MRS. HEATHER P. ROSEN, Science Hall.
- MRS. BERNICE K. TEAHL, Science Hall.

STUDENT AFFAIRS:

Student Personnel Office

- GEORGE R. MARQUETTE, 1952—;
Dean of Men, 1956—.
A.B., Lebanon Valley College, 1948; M.A., Columbia University, 1951; Ed.D., Temple University, 1967.
- MRS. ESTHER A. KLINE, Secretary,
Dean of Men.

- MISS MARTHA C. FAUST, 1957—;
Dean of Women.
A.B., Lebanon Valley College, 1937; M.A., Syracuse University, 1950.
- MRS. DORIS L. FAKE, *Secretary, Dean of Women.*
- MRS. KATHRYN E. ROHLAND, *Head Resident, Mary Capp Green Hall.*
- MRS. ELIZABETH C. OTT, *Head Resident Vickroy Hall.*

College Center

- WALTER L. SMITH, JR., 1961-1969; 1971—;
College Center Director; Coordinator of Conferences.
B.S., Lebanon Valley College, 1961; M.S. in Ed., Temple University, 1967.
- ROBERT E. HARNISH, 1967—;
Manager of the College Store.
B.A., Randolph Macon College, 1966.
- MRS. DORIS C. FAKE, *Secretary, College Store.*
- MRS. DOROTHY J. POAD, *Secretary, College Center.*
- MRS. MARY E. RHINE, *Secretary, College Store.*

Health Services

- ROBERT F. EARLY, 1971—;
College Physician.
B.S., Lebanon Valley College, 1949; M.D., Jefferson Medical College, 1952.
- RUSSELL L. GINGRICH, 1971—;
College Physician.
B.S., Lebanon Valley College, 1947; M.D., Jefferson Medical College, 1951.
- ROBERT M. KLINE, 1970—;
College Physician:
B.S., Lebanon Valley College, 1950; M.D., Jefferson Medical College, 1955; B.A., Lebanon Valley College, 1971.
- MRS. MARGIE M. YEISER, R.N., 1967—;
Head Nurse.
Harrisburg Polyclinic Hospital School of Nursing.
- MISS DONNA K. BOWMAN, R.N., *Resident Nurse.*
- MISS BARBARA A. SHEMAS, R.N., *Resident Nurse.*

Office of the Chaplain

JAMES O. BEMESDERFER, 1959—;
College Chaplain.
A.B., Lebanon Valley College, 1936; B.D.,
United Theological Seminary, 1939; S.T.M.,
Lutheran Theological Seminary, Phila., 1945;
S.T.D., Temple University, 1951.

MISS SHARON L. KRICK, Secretary.

Office of Athletics

GERALD J. PETROFES, 1963—;
Director of Athletics.

MISS BARBARA C. RHINE, Secretary.

Coaching Staff

STERLING J. BANTA, 1971—;
Assistant Football Coach.
B.S., Bloomsburg State College, 1939; M.S.
in Phys. Ed., New York University, 1953.

CHARLES E. EYLER, 1971—;
Assistant Football Coach.
B.S. in Ed., West Chester State College, 1953;
M.S. in Ed., Temple University, 1963; M.S.,
University of New Hampshire, 1968.

D. ROGER GAECKLER, 1969—;
Basketball Coach; Lacrosse Coach.

MRS. E. ELIZABETH GARMAN, 1964—;
Women's Basketball Coach.

GEORGE P. MAYHOFFER, 1955—;
*Assistant Basketball Coach; Cross Country
Coach.*
B.S., Lebanon Valley College, 1950; M.Ed.,
The Pennsylvania State University, 1955.

GERALD J. PETROFES, 1963—;
*Athletic Trainer; Wrestling Coach; Golf
Coach.*

O. KENT REED, 1971—;
*Assistant Football Coach; Track Coach; Di-
rector of Intramurals.*

LOUIS A. SORRENTINO, 1971—;
Football Coach; Baseball Coach.

JAMES W. WALLACE, 1971—;
Assistant Athletic Trainer.
B.S. in Ed., Shippensburg State College,
1953.

MRS. JACQUELINE S. WALTERS, 1965—;
Women's Hockey Coach.

COLLEGE RELATIONS AREA:

Development Office

ROBERT M. WONDERLING, 1967—;
Director of Development.
B.S., Clarion State College, 1953; M.Ed.,
University of Pittsburgh, 1958.

JOHN R. McFADDEN, 1969—;
Assistant Director of Development.
B.S., Lebanon Valley College, 1968.

MRS. PATRICIA A. BINKLEY, Secretary.

MRS. DORIS J. MAY, Secretary.

Public Relations Office

PAUL F. PICKARD, 1971—;
Director of Public Relations.
B.A., Lebanon Valley College, 1968; M.A.,
New York University, 1970.

JAMES V. BOWMAN, 1971—;
Director of Publications.
B.A., Lebanon Valley College, 1971.

MRS. ANN K. MONTEITH, 1966—;
Associate in Public Relations.
A.B., Bucknell University, 1965.

MRS. CHRISTINE F. BROUH, Secretary.
MISS BEVERLY A. BUCH, Secretary.

Alumni Office

DAVID M. LONG, 1966—;
*Director of Alumni Relations and Industrial
Placement.*
A.B., Lebanon Valley College, 1959; M.Ed.,
Temple University, 1961.

MRS. P. RODNEY KREIDER, 1951—;
Assistant Director of Alumni Relations,
1966—.
A.B., Lebanon Valley College, 1922.

MRS. HELEN L. MILLER, Secretary.

BUSINESS MANAGEMENT:

Office of the Controller

ROBERT C. RILEY, 1951—;
Controller, 1962—; Vice President, 1967—.
B.S. in Ed., Shippensburg State College,
1941; M.S., Columbia University, 1947;
Ph.D., New York University, 1962.

IRWIN R. SCHAAK, 1957—;
*Assistant Controller, 1964—; Financial Aid
Officer, 1967—.*

ROBERT C. HARTMAN, 1969—;
Accountant.
B.S., Elizabethtown College, 1962.

MRS. CLARA P. MILLER, *Staff Assistant.*

MR. CRAIG A. BORGES, *Administrative Services.*

MRS. LILLIAN A. BOWMAN, *Secretary.*

MRS. ANNA M. GUIDON, *Secretary, Business Office.*

MRS. LUCILLE E. HANNIGAN, *Switchboard Operator.*

MRS. MARY JANE JACKSON, *Secretary, Business Office.*

MRS. MARIAN M. LEHMAN, *Secretary, Mail Room.*

MISS JEAN T. ROTENBERGER, *Secretary,
Service Room.*

MR. JAMES T. STRICKLAND, *IBM, Service Room.*

MRS. MARY J. THOMPSON, *Secretary, Assistant Controller.*

MRS. ETTA K. UNGER, *Secretary, Mail Room.*

Buildings and Grounds

SAMUEL J. ZEARFOSS, 1952—;
*Superintendent of Buildings and Grounds,
1969—.*

Food Service

GEORGE F. LANDIS, JR., 1966—;
Manager of Food Service, 1970—.

MRS. VIOLA L. LEONARD, 1966—;
Manager of the Snack Bar, 1970—.



COMMITTEES OF THE FACULTY — 1971-1972

Committee on Academic Affairs

Dean Ehrhart, *Chairman*

Dr. Berson
Dr. Davidon
Dr. Ebersole
Dr. Ford
Dr. Geffen
Mr. Hough

Mr. Iskowitz
Dr. Mayer
Dr. Neidig
Mr. Petrofes
Dr. Piel
Dr. Rhodes

Mr. Smith
Mr. Thompson
Dr. Tom
Dr. Wethington
Dr. Wolf
Dr. Shay, *advisory member*

Students — Elizabeth A. Robinson, Frances E. Stachow

Committee on Faculty Affairs

Dr. Love
Dr. Rhodes
Mr. Fairlamb
Mr. O'Donnell, *Chairman*
Dr. Paul Wolf

Elected by the Faculty
Elected by the Faculty
Elected by the Faculty
Appointed by the President
Appointed by the President

Term expires 1972
Term expires 1973
Term expires 1974
Term expires 1973
Term expires 1974

Mr. Bell
Mrs. Stare
Dr. Weast
Mrs. Herr
Mr. Cooper, *Chairman*

Appointed by the President
Appointed by the President
Appointed by the President
Appointed by the President
Appointed by the President

Term expires 1972
Term expires 1973
Term expires 1973
Term expires 1974
Term expires 1974

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Dr. Cantrell
Mr. Woods
Dr. Faber
Dr. Ford, *Chairman*

Appointed by the President
Appointed by the President
Appointed by the President
Appointed by the President
Appointed by the President

Term expires 1972
Term expires 1973
Term expires 1973
Term expires 1974
Term expires 1974

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Dr. Davidon

Appointed by the President
Appointed by the President
Appointed by the President
Appointed by the President
Appointed by the President

Term expires 1972
Term expires 1973
Term expires 1973
Term expires 1974
Term expires 1974

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Dr. Rhodes
Dr. Davidon

Elected by the Faculty
Elected by the Faculty
Elected by the Faculty

Term expires 1972
Term expires 1973
Term expires 1974

Chairmen of the other four committees

Honors Council

Dr. Piel
Mrs. Herr, *Chairman*
Dr. Tom
Dr. Wolfe

Appointed by the President
Appointed by the President
Appointed by the President
Appointed by the President

Term expires 1972
Term expires 1973
Term expires 1974
Term expires 1975

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Harrisburg, Pennsylvania
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United Methodist Church
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Superintendent — York District
Central Pennsylvania Conference
United Methodist Church
York, Pennsylvania
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B.S., M.A., Ph.D., Sc.D.
Professor of Zoology & Director of
the Bureau of Biological Research
Rutgers, The State University
New Brunswick, New Jersey
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Annville, Pennsylvania
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United Methodist Church
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Annville, Pennsylvania
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Covenant United Methodist Church
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 Annville, Pennsylvania
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 Division, St. Regis Paper Co.
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Evelyn Toser '52
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8958 Tarrytown Rd., Richmond, Va. 23229

E. Peter Strickler '47
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Dr. Elizabeth K. Weisburger '44
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DEGREES CONFERRED JANUARY 28, 1971

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Beth Roberta Millington, *Economics and Business Administration*

BACHELOR OF SCIENCE IN MEDICAL TECHNOLOGY

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MAGNA CUM LAUDE

James Vaughn Bowman

CUM LAUDE

David Bartholomew Niethamer

Elected to Membership

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James Vaughn Bowman
David Bartholomew Niethamer

DEGREES CONFERRED JUNE 6, 1971

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Thomas Bruce Davis, *History*
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Alyce Showers Dugan, *Biology*
Donald Frederick Engle, *English*
Mona Anita Enquist, *Sociology*
Lorelei Marie Floyd, *Religion*
Donna Jean Fluke, *Music*
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Irene Lydia Carrilio

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Donald Wayne Samples
Jane Colette Snyder
Larry Eugene Sweger

CUM LAUDE

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Thomas Bruce Davis
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Charlotte Adele Megill

Margaret Kathleen Potteiger
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Conferred June 6, 1971

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BACHELOR OF ARTS

Glenn Edwin Beidel, *Sociology*
Frank Edward Bolway, III, *Sociology*
Robert Leven Kane, *Psychology*

Ernest James Lawton, III, *Sociology*
Eileen Mildred Yeager Snyder, *Mathematics*
Jerry Orin Yaros, *Political Science*
Martin Ormond Yespy, *Psychology*

BACHELOR OF SCIENCE

Carol Eileen Baker, *Elementary Education*
Kathy Teresa Bell, *Economics and Business Administration*
Linda Lee Brennan, *Elementary Education*
Paul Schott Fisher, *Music Education*
Steven Richard Krick, *Economics and Business Administration*

Robert Alan Mains, *Music Education*
Gary Dirk Miller, *Chemistry*
James Michael Ramey, *Biology*
Harold J. Todd, *Economics and Business Administration*
David Oakley Wilbur, *Chemistry*

BACHELOR OF SCIENCE IN NURSING

Theresa Mary Kutz





STUDENT AWARDS, 1971

SENIOR AWARDS

PHI BETA KAPPA PRIZE —

Connie Jean Brocious, Timblin

Established in 1968 by the Phi Beta Kappa Faculty Group of Lebanon Valley College. Awarded to a senior who best measures up to the standards of scholarship and character set by the national society.

BAISH MEMORIAL HISTORY AWARD —

Thomas Bruce Davis, Hershey

Established in 1947 in memory of Henry H. Baish by his wife and daughter, Margaret. Awarded to a member of the senior class majoring in history selected by the chairman of the department of history and political science on the basis of merit.

ANDREW BENDER MEMORIAL CHEMISTRY AWARD —

Elizabeth Ann Fralick, Harrisburg

Established in 1952 by the Chemistry Club of the College and alumni. Awarded to an outstanding senior majoring in chemistry.

THE SALOME WINGATE SANDERS AWARD IN MUSIC EDUCATION —

Louise Bauman Waring, Gilbertsville

Established in 1957 by Robert Bray Wingate, Class of 1948, in honor of his grandmother, Salome Wingate Sanders. Given annually to the senior who exemplifies excellent character, potential usefulness, high academic standing, and who evidences loyalty to his alma mater.

THE DAVID E. LONG MEMORIAL MINISTERIAL AWARD —

David Charles Shellenberger, Columbia

Established in 1956 by the Reverend Abraham M. Long, Class of 1917, in memory of his father, the Reverend David E. Long, Class of 1900. This award is given annually to a student preparing for the ministry, selected by the members of the department of religion on the basis of merit.

PI GAMMA MU SCHOLARSHIP AWARD —

Nancy Faye McLean, Pine Grove

Authorized by Pi Gamma Mu, Incorporated, the National Social Science Honor Society, and established at Lebanon Valley College in 1948 by the Pennsylvania Nu Chapter of the society for the promotion of scholarship in the social sciences. Granted upon graduation to a senior member of Pennsylvania Nu Chapter, selected by the chapter's Executive Committee, for outstanding scholarship in economics, government, history, or sociology, and high proficiency or other distinction attained in pursuit of same during his or her years at the College.

THE PENNSYLVANIA INSTITUTE OF CERTIFIED PUBLIC ACCOUNTANTS AWARD —
Not awarded in 1971.

THE WALLACE-LIGHT-WINGATE AWARD IN LIBERAL ARTS —

Richard Leon Bowen, Manchester

Established in 1967 by Robert Bray Wingate, Class of 1948, in honor of Dr. P. A. W. Wallace and Dr. V. Earl Light. Given annually to the senior student who best exemplifies the aims of liberal arts education, namely, a broad interest and training in both the arts and sciences.

THE HARRISBURG CHAPTER OF THE NATIONAL ASSOCIATION OF ACCOUNTANTS AWARD —

David Eugene Miller, Annville

Granted to the student demonstrating outstanding achievement in the introductory accounting course. The award consists of a student subscription to *NAA Bulletin* and Research Reports of the NAA.

SOUTHEASTERN PENNSYLVANIA SECTION, AMERICAN CHEMICAL SOCIETY AWARD

Elizabeth Ann Fralick, Harrisburg

Presented to the outstanding senior chemistry major in each of the colleges in the area based on demonstrated proficiency in chemistry. The award consists of a book entitled *A German-English Dictionary for Chemists*.

THE M. CLAUDE ROSENBERRY MEMORIAL AWARD —

Marilyn Lee Whitmire, Williamsport

Given to an outstanding senior in music education who is entering the teaching field in the Commonwealth of Pennsylvania, and who has demonstrated unusual ability and promise as a potential teacher.

B'NAI B'RITH AMERICANISM AWARD —

Harvey Gilbert Gregory, New Paltz, N.Y.

Awarded to a member of the graduating class who by his actions best exemplified the philosophies of our American Democracy. One who lived according to the precepts of tolerance, brotherhood, citizenship, and respect for his fellow students regardless of race, color or creed; one who abhors prejudice and discrimination and who by his actions has earned the respect and admiration of his fellow students: a student who has put into practice the tenets taught to all of us in our institutions of learning for the purpose of making this, our country, a better land in which to live.

GOVERNOR JAMES H. DUFF AWARD —

Jane Colette Snyder, Pottstown

Established in 1960 by Governor James H. Duff (Pennsylvania) to promote interest in state government. Awarded annually to a senior who by participation in campus government or in debating demonstrates a facility and interest in government service.

THE SIGMA ALPHA IOTA HONOR CERTIFICATE AWARD —

Louise Bauman Waring, Gilbertsville

Awarded to the senior music major with the highest scholastic average over her four years of study. The award consists of an honor certificate.

OUTSTANDING SENIOR OF DELTA ALPHA CHAPTER, SAI —

Louise Bauman Waring, Gilbertsville

Awarded by the Philadelphia Alumnae Chapter of Sigma Alpha Iota to the girl selected by her sister members as the outstanding senior of Delta Alpha Chapter. The award consists of a life subscription to *Pan Pipes*, the fraternity magazine.

THE CHUCK MASTON AWARD —*

Edward Francis Thomas, Cresskill, N.J.

Established in 1952 by the Knights of the Valley. This award is made annually to a male member of a varsity team who has displayed the exceptional qualities of sportsmanship, leadership, cooperation, and spirit.

THE JOHN F. ZOLA ATHLETIC AWARD —*

Robert Wilson Morris, II, Shermans Dale

Established in 1962 by the L V Varsity Club. To be awarded to the football player showing qualities of desire, attitude, sportsmanship, and initiative — the qualities that John displayed. This award is open to members of all classes and the winner is elected by the members of the football team.

CHILDHOOD EDUCATION CLUB AWARD —

Martha Bauman Waring, Gilbertsville

An award to an outstanding student majoring in elementary education who has demonstrated qualities of character, scholarship, leadership, and service, and who has successfully completed one semester of student teaching.

FRENCH GOVERNMENT PRIZE (FRENCH 30)

Linda Maureen Shaw, Abingdon, Md.

Awarded to a student in French 30 for excellence in French, given by the French Cultural Services in New York.

WALL STREET JOURNAL AWARD —

Nancy Faye McLean, Pine Grove

Established in 1948 by *The Wall Street Journal* for distinguished work in the department of economics and business administration. The award consists of a silver medal and a year's subscription to *The Wall Street Journal*.

WHO'S WHO IN AMERICAN UNIVERSITIES AND COLLEGES —

Marianne L. Cake, Hershey

Irene Lydia Carrilio, Dallas, Texas

Thomas William Cestare, Philadelphia

Harvey Gilbert Gregory, New Paltz, N.Y.

Anita Jean Meiser, Hershey

David Bartholomew Niethamer, Wernersville

Priscilla Lenore Roth, Sinking Spring

Donald Wayne Samples, Lewisberry

David Charles Shellenberger, Columbia

Carol Suzanne Shenk, Falls Church, Va.

Jane Colette Snyder, Pottstown

Larry Eugene Sweger, Columbia

Richard Bruce Thompson, Beltsville, Md.

John DeWitt Ulrich, Harrisburg

Louise Bauman Waring, Gilbertsville

Martha Bauman Waring, Gilbertsville

Marilyn Lee Whitmire, Williamsport

Kathleen Frances Wilke, Timonium, Md.

Recognition in *Who's Who Among Students in American Universities and Colleges* is awarded annually on the basis of grades, personal character, and campus leadership. Final selection is made by the publishers.

* Not always awarded to seniors.

GENERAL AWARDS

ALUMNI SCHOLARSHIP AWARDS —

Helen Eileen Cummings, St. Michaels, Md.
John Howard Gable, Red Lion
Marilyn Louise Graves, Glen Mills
Kathleen Joy Henderson, Hyattsville, Md.
Susan Sara Jacoby, Lehighton

These awards, authorized by the Lebanon Valley College Alumni Association in June, 1953, were established with the resources of the alumni Life Membership Fund. These scholarships are granted annually to deserving students on the basis of character, academic achievement, and need; the recipients of these scholarships to be designated Alumni Scholars.

MAUD P. LAUGHLIN SOCIAL SCIENCE SCHOLARSHIP AWARD —

Terry Marlin Heisey, Palmyra
Awarded in recognition of excellence in scholarship, academic progress, campus citizenship, service to the institution, participation in extra-curricular activities.

JOHN F. ZOLA MEMORIAL SCHOLARSHIP AWARD —

Douglas Robert Poffenberger, Halifax
Awarded by the Knights of the Valley to a full-time student, on the basis of character and financial need.

THE BIOLOGICAL SCHOLARSHIP AWARD —

Gregory Vincent Arnold, Lebanon
Established in 1918 by alumni and friends. Awarded annually by the chairman of the department of biology on the basis of merit.

MEDICAL SCHOLARSHIP AWARD —

Judith Louise Fonken, Lebanon
Established in 1918 by alumni and friends. Awarded annually on the basis of merit.

PHI LAMBDA SIGMA SCHOLARSHIP AWARD —

Not awarded in 1971.
Established in 1962 by Phi Lambda Sigma and awarded on the bases of need, academic achievement, and outstanding service to the organization.

BRADFORD CLIFFORD ALBAN MEMORIAL SCHOLARSHIP —

Not awarded in 1971.
Established in 1964 by Phi Lambda Sigma and awarded on the basis of need, academic achievement, and contribution to the goals of the College.

THE WOMAN'S CLUB OF LEBANON SCHOLARSHIP AWARD —

Judith Louise Fonken, Lebanon
An award given annually by the Woman's Club of Lebanon to a person from Lebanon County enrolled as a full-time student; the choice to be based on financial need, scholarship, and character.

ALICE EVERE BURTNER MEMORIAL AWARD —

Elizabeth Annette Robinson, Mechanicsburg
Established in 1935 in memory of Mrs. Alice Evers Burtner, Class of 1883, by Daniel E. Burtner, Samuel J. Evers, and Evers Burtner. Awarded to an outstanding member of the junior class selected by the faculty on the basis of scholarship, character, social promise, and need.

DELTA ALPHA CHAPTER OF SIGMA ALPHA IOTA AWARD —

Joann Louise Paff, York
Established in 1963 in memory of Marcia M. Pickwell, instructor in piano. Given annually to a sophomore or junior woman student majoring in music who is selected on the basis of need, musicianship, and future promise in her profession.

STUDENT PENNSYLVANIA STATE EDUCATION ASSOCIATION AWARD —

Not awarded in 1971.

Established in 1967 by the local chapter of the Student Pennsylvania State Education Association. Given to a member on the bases of service to the organization and qualities necessary for successful teaching.

SOPHOMORE ACHIEVEMENT AWARD IN CHEMISTRY —

Roger Allen Heckman, Mercersburg

Awarded to a member of the sophomore class majoring in chemistry who has demonstrated outstanding work in the field of chemistry. This award was originated by the Student Affiliate Chapter of the American Chemical Society.

SOPHOMORE PRIZE IN ENGLISH LITERATURE —

Not awarded in 1971.

Established by the Class of 1928. Awarded to the three best students in sophomore English, taking into account scholarship, originality, and progress.

PHYSICS ACHIEVEMENT AWARD —

Bernard Frederick Plantz, Linglestown

Awarded to the outstanding student of the freshman or sophomore class in the first year physics course. The award consists of a copy of the *Handbook of Chemistry and Physics*.

THE MAX F. LEHMAN MEMORIAL MATHEMATICS PRIZE —

Scott Edward Ruehr, Broomall

Established by the Class of 1907, in memory of a classmate. Awarded to that member of the freshman class who shall have attained the highest standing in mathematics.

FLORENCE WOLF KNAUSS MEMORIAL AWARD IN MUSIC —

Christine Amy Melson, Forty Fort

Awarded annually to the freshman girl who displays the following basic qualities: (1) musicianship with performing ability; (2) reasonably high academic standing; (3) cooperation, dependability, and loyalty to the College.

MATHEMATICS ACHIEVEMENT AWARD —

Jane Harrison Keebler, Hatboro

Awarded to a student in calculus on the bases of achievement, progress and industry. The award consists of a copy of the new edition of the Chemical Rubber Company's book on *Standard Mathematics Tables*.

FRESHMAN ACHIEVEMENT AWARD IN CHEMISTRY —

Joseph Anthony Kargol, Somerville, N.J.

Awarded to a member of the freshman class majoring in chemistry who has demonstrated outstanding work in the field of chemistry. This award was originated by the Student Affiliate Chapter of the American Chemical Society.

SIGMA ALPHA IOTA — THE DEAN'S HONOR AWARD —

Donna Jean Fluke, Salfordville

Awarded to a member of Delta Alpha Chapter on the basis of scholarship, musicianship and fraternity service and in recognition of her outstanding achievement and contribution to the fraternity.

SIGMA ALPHA IOTA SCHOLARSHIP AWARD —

Joyce Elaine Huber, Peach Bottom

Awarded annually by the Philadelphia Alumnae Chapter of Sigma Alpha Iota to a junior member of Delta Alpha Chapter on the basis of talent and need.

PICKWELL MEMORIAL MUSIC AWARD —

Dorothy Ellen Fine, Annville

Established in 1963 in memory of Marcia M. Pickwell, faculty member of the department of music. Awarded annually to a junior music major who has demonstrated outstanding pianistic ability and promise.

ACHIEVEMENT SCHOLARSHIP AWARD IN ECONOMICS AND BUSINESS ADMINISTRATION —

Robert Gordon Chabitnoy, Cleona

Awarded to students majoring in economics and business administration for outstanding scholarship in economics and business administration and for good campus citizenship. Established in 1965 by the People's National Bank of Lebanon, Pennsylvania.

LA VIE COLLEGIENNE AWARD —

Diane Ragan Wilkins, Broomall

Benjamin Metzler Neideigh, Lititz

The *LA VIE COLLEGIENNE* Award, established in 1964 by the Rev. Bruce C. Souders '44, a former editor of *LA VIE COLLEGIENNE*, seeks to acknowledge the contribution of students to good campus public relations through leadership and responsibility in the publication of the campus newspaper. It is awarded annually to an upperclassman and to a freshman on the staff of the newspaper.

AMERICAN ASSOCIATION OF TEACHERS OF SPANISH AND PORTUGUESE AWARD —

Edward Charles Iannarella, Sharon Hill

Established in 1968, this medal is awarded by the department of foreign languages, to a Spanish student who in a minimum of two year's regular work has achieved real excellence.

FOREIGN LANGUAGE ACHIEVEMENT AWARDS —

French: Jane Harrison Keebler, Hatboro

Christine Amy Melson, Forty Fort

Patricia Jane Kilgour, Ft. Lauderdale, Fla.

German: Kristen Lee Weissenfluh, Ridgway

Kristen Rae Angstadt, Kutztown

Richard Auman Rutherford, Millersville

Daphne Kupferberg Gibble, Forestville, Md.

Thomas Alan Richardson, Scituate, Mass.

Spanish: Lisa Marie Stoner, Winfield

Helen Eileen Cummings, St. Michaels, Md.

Christine Evelyn Walborn, Carolina, Puerto Rico

GERMAINE BENEDICTUS MONTEUX MUSIC AWARD

Adrienne Denise Teyssier, Ft. Loudon

Established in 1968 by Denise Monteux Lanese in memory of her mother, Germaine Benedictus Monteux. This award is given annually to a sophomore or junior student majoring in music or music education as designated by the department of music on the bases of outstanding personal attitudes, effort, and progress in musical development, and need.

CORRESPONDENCE DIRECTORY

TO FACILITATE PROMPT ATTENTION, INQUIRIES SHOULD BE ADDRESSED AS INDICATED BELOW:

Matters of General College Interest	President
Academic Program	Vice President and Dean of the College
Admissions	Director of Admissions
Alumni Interests	Director of Alumni Relations
Business Matters, Expenses	Vice President and Controller
Campus Conferences	Coordinator of Conferences
Development and Bequests	Director of Development
Evening School and Summer Session	Assistant Dean of the College
Financial Aid to Students	Financial Aid Officer
Placement:	
Teacher Placement	Director of Teacher Placement
Business and Industrial	Director of Industrial Placement
Publication and Publicity	Director of Public Relations
Religious Activities	Chaplain
Student Interests	Dean of Men or Dean of Women
Teacher Certification	Assistant Dean of the College
Transcripts, Academic Reports	Assistant Dean of the College and Registrar

ADDRESS ALL MAIL TO:

Lebanon Valley College
Annville, Pennsylvania 17003

DIRECT ALL TELEPHONE CALLS TO:

Lebanon Valley College
Annville, Pennsylvania
Area Code 717 Local Number 867-3561

REGULAR OFFICE HOURS FOR TRANSACTING BUSINESS:

College office hours are from 8:30 a.m. to 12:00 noon and 1:00 p.m. to 5:00 p.m. Monday through Friday. Members of the staff are available for interviews at other times if appointments are made in advance.

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